



IT'S ALL IN THE CHEMISTRY

05/22/06

Technical Report for

ENSR Consulting & Engineering

Ingersoll Rand, Phillipsburg, NJ

03710-173-0902

Accutest Job Number: J29485

Sampling Date: 05/03/06



Report to:

**ENSR Consulting & Engineering
20 New England Avenue
Piscataway, NJ 08854**

ATTN: Gregg Micalizio

Total number of pages in report: 109



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Handwritten signature of Vincent J. Pugliese.

**Vincent J. Pugliese
President**



Certifications: NJ(12129), NY(10983), CA, CT, DE, FL, IL, IN, KS, KY, LA, MA, MD, MI, MT, NC, PA, RI, SC, TN, VA, WV

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Table of Contents

-1-

Section 1: Sample Summary	3
Section 2: Case Narrative/Conformance Summary	4
Section 3: Sample Results	7
3.1: J29485-1: MW03	8
3.2: J29485-2: MW04	11
3.3: J29485-3: MW37	14
3.4: J29485-4: MW35	17
Section 4: Misc. Forms	20
4.1: Chain of Custody	21
4.2: Sample Tracking Chronicle	24
4.3: Internal Chain of Custody	26
Section 5: GC Volatiles - QC Data Summaries	32
5.1: Method Blank Summary	33
5.2: Laboratory Control Sample Summary	34
5.3: Duplicate Summary	35
5.4: Initial and Continuing Calibration Summaries	37
Section 6: GC Volatiles - Raw Data	40
6.1: Samples	41
6.2: Method Blanks	53
Section 7: Metals Analysis - QC Data Summaries	56
7.1: Inst QC MA17527: Fe	57
7.2: Prep QC MP34456: Fe	78
Section 8: General Chemistry - QC Data Summaries	83
8.1: Method Blank and Spike Results Summary	84
8.2: Duplicate Results Summary	85
8.3: Matrix Spike Results Summary	86
8.4: Inst QC GN90802: Chloride	87
8.5: Inst QC GN90817: Nitrogen, Nitrate + Nitrite	91
8.6: Inst QC GN90843: Sulfate	95
8.7: Inst QC GN90889: Nitrogen, Nitrate + Nitrite	99
8.8: Inst QC GN90923: Nitrogen, Ammonia	103



Sample Summary

ENSR Consulting & Engineering

Job No: J29485

Ingersoll Rand, Phillipsburg, NJ
Project No: 03710-173-0902

Sample Number	Collected Date	Time By	Matrix Received	Code	Type	Client Sample ID
J29485-1	05/03/06	10:30 AM	05/03/06	AQ	Ground Water	MW03
J29485-2	05/03/06	12:00 AM	05/03/06	AQ	Ground Water	MW04
J29485-3	05/03/06	14:40 AM	05/03/06	AQ	Ground Water	MW37
J29485-4	05/03/06	16:00 AM	05/03/06	AQ	Ground Water	MW35



CASE NARRATIVE / CONFORMANCE SUMMARY

Client: ENSR Consulting & Engineering

Job No J29485

Site: Ingersoll Rand, Phillipsburg, NJ

Report Date 5/22/2006 1:57:57 PM

4 Sample(s), 0 Trip Blank(s) and 0 Field Blank(s) were collected on 05/03/2006 and were received at Accutest on 05/03/2006 properly preserved, at 3.4 Deg. C and intact. These Samples received an Accutest job number of J29485. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Volatiles by GC By Method SW846 8015

Matrix AQ

Batch ID: GII1588

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) J29351-2DUP, J29543-5DUP were used as the QC samples indicated.

Metals By Method SW846 6010B

Matrix AQ

Batch ID: MP34456

- All samples were digested within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) J29485-1MS, J29485-1MSD, J29485-1SDL were used as the QC samples for metals.

Wet Chemistry By Method EPA 300/SW846 9056

Matrix AQ

Batch ID: GP33454

- All samples were prepared within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) J30277-1DUP, J30277-1MS were used as the QC samples for Sulfate, Chloride.

Wet Chemistry By Method EPA 310.1

Matrix AQ

Batch ID: GN90480

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) J29629-3DUP were used as the QC samples for Alkalinity, Total as CaCO₃.

Wet Chemistry By Method EPA 350.1

Matrix AQ

Batch ID: GP33438

- All samples were prepared within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) J29278-1DUP, J29278-1MS were used as the QC samples for Nitrogen, Ammonia.

Wet Chemistry By Method EPA 353.2

Matrix AQ

Batch ID: GP33459

- All samples were prepared within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) J30277-1MS, J30277-1DUP were used as the QC samples for Nitrogen, Nitrate + Nitrite.
- RPD(s) for Duplicate for Nitrogen, Nitrate + Nitrite are outside control limits for sample GP33459-D1. RPD acceptable due to low duplicate and sample concentrations.

Wet Chemistry By Method EPA 376.1

Matrix AQ

Batch ID: GN90490

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) J29485-1DUP, J29485-2MS were used as the QC samples for Sulfide.

Wet Chemistry By Method EPA353.2/SM4500NO2B

Matrix AQ

Batch ID: R55638

- The data for EPA353.2/SM4500NO2B meets quality control requirements.
- J29485-1 for Nitrogen, Nitrate: Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)

Matrix AQ

Batch ID: R55639

- The data for EPA353.2/SM4500NO2B meets quality control requirements.
- J29485-2 for Nitrogen, Nitrate: Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)

Matrix AQ

Batch ID: R55640

- The data for EPA353.2/SM4500NO2B meets quality control requirements.
- J29485-4 for Nitrogen, Nitrate: Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)

Matrix AQ

Batch ID: R55695

- The data for EPA353.2/SM4500NO2B meets quality control requirements.
- J29485-3 for Nitrogen, Nitrate: Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)

Wet Chemistry By Method SM18 3500FED

Matrix AQ

Batch ID: GN90380

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) J29351-1DUP were used as the QC samples for Iron, Ferrous.

Wet Chemistry By Method SM18 3500FED M

Matrix AQ

Batch ID: R55802

- The data for SM18 3500FED M meets quality control requirements.
- J29485-2 for Iron, Ferric: Calculated as: (Iron) - (Iron, Ferrous)

Matrix AQ

Batch ID: R55803

- The data for SM18 3500FED M meets quality control requirements.
- J29485-3 for Iron, Ferric: Calculated as: (Iron) - (Iron, Ferrous)

Matrix AQ

Batch ID: R55804

- The data for SM18 3500FED M meets quality control requirements.
- J29485-4 for Iron, Ferric: Calculated as: (Iron) - (Iron, Ferrous)

Matrix AQ

Batch ID: R55811

- The data for SM18 3500FED M meets quality control requirements.
- J29485-1 for Iron, Ferric: Calculated as: (Iron) - (Iron, Ferrous)

Wet Chemistry By Method SM18 4500CO2D

Matrix AQ

Batch ID: GN90527

- The data for SM18 4500CO2D meets quality control requirements.

Matrix AQ

Batch ID: GN90528

- The data for SM18 4500CO2D meets quality control requirements.

Wet Chemistry By Method SM18 9215B

Matrix AQ

Batch ID: MB2893

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) J29317-1DUP were used as the QC samples for Plate Count, Total.

Wet Chemistry By Method SM19 4500NO2B

Matrix AQ

Batch ID: GN90356

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) J29485-1DUP, J29485-1MS were used as the QC samples for Nitrogen, Nitrite.

The Accutest Laboratories of New Jersey certifies that all analysis were performed within method specification. It is further recommended that this report to be used in its entirety. The Accutest Laboratories of NJ, Laboratory Director or assignee as verified by the signature on the cover page has authorized the release of this report(J29485).



IT'S ALL IN THE CHEMISTRY

Sample Results

Report of Analysis

Accutest Laboratories

Report of Analysis

Page 1 of 1

3-1
3

Client Sample ID:	MW03	Date Sampled:	05/03/06
Lab Sample ID:	J29485-1	Date Received:	05/03/06
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8015		
Project:	Ingersoll Rand, Phillipsburg, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	II31369.D	1	05/11/06	HSC	n/a	n/a	GII1588
Run #2							

CAS No.	Compound	Result	RL	MDL	Units	Q
74-82-8	Methane	672	0.10	0.066	ug/l	
74-84-0	Ethane	ND	0.10	0.056	ug/l	
74-85-1	Ethene	ND	0.10	0.075	ug/l	

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

3.1

3

Client Sample ID:	MW03	Date Sampled:	05/03/06
Lab Sample ID:	J29485-1	Date Received:	05/03/06
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Project:	Ingersoll Rand, Phillipsburg, NJ		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method	
Iron	3090	100	ug/l	1	05/19/06	05/19/06	ND	SW846 6010B ¹	SW846 3010A ²

(1) Instrument QC Batch: MA17527

(2) Prep QC Batch: MP34456

RL = Reporting Limit

Report of Analysis

Page 1 of 1

3

Client Sample ID:	MW03	Date Sampled:	05/03/06
Lab Sample ID:	J29485-1	Date Received:	05/03/06
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Project:	Ingersoll Rand, Phillipsburg, NJ		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Alkalinity, Bicarbonate	407	5.0	mg/l	1	05/08/06	JA	SM18 4500CO2D
Alkalinity, Carbonate	< 5.0	5.0	mg/l	1	05/08/06	JA	SM18 4500CO2D
Alkalinity, Total as CaCO ₃	408	10	mg/l	1	05/08/06	JA	EPA 310.1
Chloride	30.7	2.0	mg/l	1	05/15/06 21:58	JH	EPA 300/SW846 9056
Iron, Ferric ^a	2.9	0.20	mg/l	1	05/19/06 16:27	ND	SM18 3500FED M
Iron, Ferrous	0.15	0.10	mg/l	1	05/04/06 14:16	NP	SM18 3500FED
Nitrogen, Ammonia	0.92	0.10	mg/l	1	05/18/06 09:10	NR	EPA 350.1
Nitrogen, Nitrate ^b	1.7	0.11	mg/l	1	05/15/06 17:39	HBA	EPA353.2/SM4500NO2B
Nitrogen, Nitrate + Nitrite	1.7	0.10	mg/l	1	05/15/06 17:39	HBA	EPA 353.2
Nitrogen, Nitrite	< 0.010	0.010	mg/l	1	05/03/06 20:55	JOO	SM19 4500NO2B
Plate Count, Total	215000	100	CFU/ml	1000	05/04/06 08:45	MJC	SM18 9215B
Sulfate	107	2.0	mg/l	1	05/16/06 17:28	JH	EPA 300/SW846 9056
Sulfide	< 2.0	2.0	mg/l	1	05/08/06	ST	EPA 376.1

(a) Calculated as: (Iron) - (Iron, Ferrous)

(b) Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)

RL = Reporting Limit

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Report of Analysis

Page 1 of 1

32
3

Client Sample ID:	MW04	Date Sampled:	05/03/06
Lab Sample ID:	J29485-2	Date Received:	05/03/06
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8015		
Project:	Ingersoll Rand, Phillipsburg, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	II31370.D	1	05/11/06	HSC	n/a	n/a	GII1588
Run #2							

CAS No.	Compound	Result	RL	MDL	Units	Q
74-82-8	Methane	9.08	0.10	0.066	ug/l	
74-84-0	Ethane	ND	0.10	0.056	ug/l	
74-85-1	Ethene	0.23	0.10	0.075	ug/l	

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

32
3

Client Sample ID:	MW04	Date Sampled:	05/03/06
Lab Sample ID:	J29485-2	Date Received:	05/03/06
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Project:	Ingersoll Rand, Phillipsburg, NJ		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method	
Iron	< 100	100	ug/l	1	05/19/06	05/19/06	ND	SW846 6010B ¹	SW846 3010A ²

(1) Instrument QC Batch: MA17527

(2) Prep QC Batch: MP34456

RL = Reporting Limit

Report of Analysis

Page 1 of 1

32
3

Client Sample ID:	MW04	Date Sampled:	05/03/06
Lab Sample ID:	J29485-2	Date Received:	05/03/06
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Project:	Ingersoll Rand, Phillipsburg, NJ		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Alkalinity, Bicarbonate	808	5.0	mg/l	1	05/08/06	JA	SM18 4500CO2D
Alkalinity, Carbonate	< 5.0	5.0	mg/l	1	05/08/06	JA	SM18 4500CO2D
Alkalinity, Total as CaCO ₃	809	10	mg/l	1	05/08/06	JA	EPA 310.1
Chloride	16.4	2.0	mg/l	1	05/15/06 22:16	JH	EPA 300/SW846 9056
Iron, Ferric ^a	< 0.20	0.20	mg/l	1	05/19/06 14:48	ND	SM18 3500FED M
Iron, Ferrous	< 0.10	0.10	mg/l	1	05/04/06 14:16	NP	SM18 3500FED
Nitrogen, Ammonia	0.32	0.10	mg/l	1	05/18/06 09:11	NR	EPA 350.1
Nitrogen, Nitrate ^b	0.38	0.11	mg/l	1	05/15/06 17:40	HBA	EPA353.2/SM4500NO2B
Nitrogen, Nitrate + Nitrite	0.38	0.10	mg/l	1	05/15/06 17:40	HBA	EPA 353.2
Nitrogen, Nitrite	< 0.010	0.010	mg/l	1	05/03/06 20:55	JOO	SM19 4500NO2B
Plate Count, Total	< 1000	1000	CFU/ml	100	05/04/06 08:45	MJC	SM18 9215B
Sulfate	69.4	2.0	mg/l	1	05/16/06 17:46	JH	EPA 300/SW846 9056
Sulfide	< 2.0	2.0	mg/l	1	05/08/06	ST	EPA 376.1

(a) Calculated as: (Iron) - (Iron, Ferrous)

(b) Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

Page 1 of 1

3.3
3

Client Sample ID:	MW37	Date Sampled:	05/03/06
Lab Sample ID:	J29485-3	Date Received:	05/03/06
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8015		
Project:	Ingersoll Rand, Phillipsburg, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	II31371.D	1	05/11/06	HSC	n/a	n/a	GII1588
Run #2							

CAS No.	Compound	Result	RL	MDL	Units	Q
74-82-8	Methane	ND	0.10	0.066	ug/l	
74-84-0	Ethane	ND	0.10	0.056	ug/l	
74-85-1	Ethene	ND	0.10	0.075	ug/l	

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

3.3
3

Client Sample ID:	MW37	Date Sampled:	05/03/06
Lab Sample ID:	J29485-3	Date Received:	05/03/06
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Project:	Ingersoll Rand, Phillipsburg, NJ		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method	
Iron	< 100	100	ug/l	1	05/19/06	05/19/06	ND	SW846 6010B ¹	SW846 3010A ²

(1) Instrument QC Batch: MA17527

(2) Prep QC Batch: MP34456

RL = Reporting Limit

Report of Analysis

Page 1 of 1

3.3
3

Client Sample ID:	MW37	Date Sampled:	05/03/06
Lab Sample ID:	J29485-3	Date Received:	05/03/06
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Project:	Ingersoll Rand, Phillipsburg, NJ		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Alkalinity, Bicarbonate	323	5.0	mg/l	1	05/08/06	JA	SM18 4500CO2D
Alkalinity, Carbonate	< 5.0	5.0	mg/l	1	05/08/06	JA	SM18 4500CO2D
Alkalinity, Total as CaCO ₃	324	5.0	mg/l	1	05/08/06	JA	EPA 310.1
Chloride	10.5	2.0	mg/l	1	05/15/06 22:35	JH	EPA 300/SW846 9056
Iron, Ferric ^a	< 0.20	0.20	mg/l	1	05/19/06 14:54	ND	SM18 3500FED M
Iron, Ferrous	< 0.10	0.10	mg/l	1	05/04/06 14:16	NP	SM18 3500FED
Nitrogen, Ammonia	< 0.10	0.10	mg/l	1	05/18/06 09:11	NR	EPA 350.1
Nitrogen, Nitrate ^b	16.4	0.51	mg/l	1	05/17/06 13:58	LE	EPA353.2/SM4500NO2B
Nitrogen, Nitrate + Nitrite	16.4	0.50	mg/l	5	05/17/06 13:58	LE	EPA 353.2
Nitrogen, Nitrite	< 0.010	0.010	mg/l	1	05/03/06 20:55	JOO	SM19 4500NO2B
Plate Count, Total	26300	100	CFU/ml	100	05/04/06 08:45	MJC	SM18 9215B
Sulfate	25.6	2.0	mg/l	1	05/16/06 18:05	JH	EPA 300/SW846 9056
Sulfide	< 2.0	2.0	mg/l	1	05/08/06	ST	EPA 376.1

(a) Calculated as: (Iron) - (Iron, Ferrous)

(b) Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

Page 1 of 1

3-4
3

Client Sample ID:	MW35	Date Sampled:	05/03/06
Lab Sample ID:	J29485-4	Date Received:	05/03/06
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8015		
Project:	Ingersoll Rand, Phillipsburg, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	II31372.D	1	05/11/06	HSC	n/a	n/a	GII1588
Run #2							

CAS No.	Compound	Result	RL	MDL	Units	Q
74-82-8	Methane	ND	0.10	0.066	ug/l	
74-84-0	Ethane	ND	0.10	0.056	ug/l	
74-85-1	Ethene	ND	0.10	0.075	ug/l	

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

3

Client Sample ID:	MW35	Date Sampled:	05/03/06
Lab Sample ID:	J29485-4	Date Received:	05/03/06
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Project:	Ingersoll Rand, Phillipsburg, NJ		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method	
Iron	104	100	ug/l	1	05/19/06	05/19/06	ND	SW846 6010B ¹	SW846 3010A ²

(1) Instrument QC Batch: MA17527

(2) Prep QC Batch: MP34456

RL = Reporting Limit

Report of Analysis

Page 1 of 1

34
3

Client Sample ID:	MW35	Date Sampled:	05/03/06
Lab Sample ID:	J29485-4	Date Received:	05/03/06
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Project:	Ingersoll Rand, Phillipsburg, NJ		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Alkalinity, Bicarbonate	330	5.0	mg/l	1	05/08/06	JA	SM18 4500CO2D
Alkalinity, Carbonate	< 5.0	5.0	mg/l	1	05/08/06	JA	SM18 4500CO2D
Alkalinity, Total as CaCO ₃	331	5.0	mg/l	1	05/08/06	JA	EPA 310.1
Chloride	29.5	2.0	mg/l	1	05/15/06 22:53	JH	EPA 300/SW846 9056
Iron, Ferric ^a	< 0.20	0.20	mg/l	1	05/19/06 15:00	ND	SM18 3500FED M
Iron, Ferrous	< 0.10	0.10	mg/l	1	05/04/06 14:16	NP	SM18 3500FED
Nitrogen, Ammonia	< 0.10	0.10	mg/l	1	05/18/06 09:13	NR	EPA 350.1
Nitrogen, Nitrate ^b	2.6	0.11	mg/l	1	05/15/06 17:44	HBA	EPA353.2/SM4500NO2B
Nitrogen, Nitrate + Nitrite	2.6	0.10	mg/l	1	05/15/06 17:44	HBA	EPA 353.2
Nitrogen, Nitrite	< 0.010	0.010	mg/l	1	05/03/06 20:55	JOO	SM19 4500NO2B
Plate Count, Total	500	100	CFU/ml	100	05/04/06 08:45	MJC	SM18 9215B
Sulfate	83.9	2.0	mg/l	1	05/16/06 19:00	JH	EPA 300/SW846 9056
Sulfide	< 2.0	2.0	mg/l	1	05/08/06	ST	EPA 376.1

(a) Calculated as: (Iron) - (Iron, Ferrous)

(b) Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)

RL = Reporting Limit



Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- Sample Tracking Chronicle
- Internal Chain of Custody



CHAIN OF CUSTODY

2235 Route 130, Dayton NJ 08810
TEL: 732-329-0200 FAX: 732-329-3499/3480
www.accutest.com

Client / Reporting Information		Project Information		FED-EX Tracking #		Bottle Order Control #	
Company Name ENSR	Project Name Ingersol Rand	Requested Analysis		Accutest Order # 5611006-89	Accutest Job # J29485		Matrix Codes
Address 20 New England Ave	Street						DW - Drinking Water
City Piscataway NJ	State 08854						GW - Ground Water
Project Contact Greg Micalizio	E-mail						WW - Water
Phone # 732-981-0200	Fax # 732 981 0116						SW - Surface Water
Sampler's Name Abutierrez JA Mosby	Client Purchase Order # 2039287						SO - Soil
Accutest Sample #	Field ID / Point of Collection	SUMMARY	Collection	Number of preserved Bottles			SL - Sludge
		MEOH/Vel #	Date Time Sampled By	# of bottles	1	2	01
- 1	MW Q3		5/3/06 1030 AM GW 11	3	2	1	1
- 2	MW Q4		5/3/06 1030 AM GW 11	3	2	1	1
- 3	MW 37		5/3/06 1440 AM GW 11	3	2	1	1
- 4	MW 35		5/3/06 1600 AM GW 11	3	2	1	1
							01 - Oil
							LQ - Other Liquid
							AIR - Air
							SOL - Other Solid
							WR - Wipe
							LAB USE ONLY

Turnaround Time (Business Days)	Data Deliverable Information	Comments / Remarks
<input checked="" type="checkbox"/> Std. 15 Business Days <input type="checkbox"/> 10 day RUSH _____ <input type="checkbox"/> 5 Day RUSH _____ <input type="checkbox"/> 3 Day EMERGENCY _____ <input type="checkbox"/> 2 Day EMERGENCY _____ <input type="checkbox"/> 1 Day EMERGENCY _____ <input type="checkbox"/> Other _____	<input type="checkbox"/> Commercial "A" <input type="checkbox"/> Commercial "B" <input type="checkbox"/> NJ Reduced <input checked="" type="checkbox"/> NJ Full <input type="checkbox"/> Other _____	<input type="checkbox"/> FULL CLP <input type="checkbox"/> NYASP Category A <input type="checkbox"/> NYASP Category B <input type="checkbox"/> State Forms <input checked="" type="checkbox"/> EDDO Format _____
Commercial "A" = Results Only		

Emergency & Rush T/A data available VIA LabLink

Sample Custody must be documented below each time sample changes possession, including courier delivery.							
Relinquished by: <i>Alt Ruz</i>	Date/Time: <i>5/3/10</i>	Received by: <i>Path</i>	Date/Time: <i>5-3-06 1610</i>	Relinquished by: <i>Path</i>	Date/Time: <i>5-3-06 1610</i>	Received by: <i>N. Adams</i>	Date/Time: <i>5/3/10</i>
1	1	1	1	2	2	2	2
Relinquished by: _____	Date/Time: _____	Received by: _____	Date/Time: _____	Relinquished by: _____	Date/Time: _____	Received by: _____	Date/Time: _____
3	3	3	3	4	4	4	4
Relinquished by: _____	Date/Time: _____	Received by: _____	Date/Time: _____	Custody Seal #: <i>5</i>	Preserved where applicable: <input checked="" type="checkbox"/>	On Ice: <input checked="" type="checkbox"/> # <i>448</i>	Case Temp: <i>34° - 2.6°C</i>
5	5	5	5				

J29485: Chain of Custody

Page 1 of 3

Job Change Order: J29485_5/9/2006

Requested Date:	5/9/2006	Received Date:	5/3/2006
Account Name:	ENSR Consulting & Engineering	Due Date:	5/17/2006
Project Description:	Ingersoll Rand, Phillipsburg, NJ	Deliverable:	FULT1
CSR:	MV	TAT (Days):	14
Sample #:	J29485-Job	Change:	Change deliverable to REDT2

Above Changes Per: Gregg R. Micalizlo **Date:** 5/9/2006

J29485: Chain of Custody

Page 2 of 3

To Client: This Change Order is confirmation of the revisions, previously discussed with the Accutest Client Service Representative.

Page 1 of 1

Job Change Order: J29485_5/10/2006

Requested Date:	5/10/2006	Received Date:	5/3/2006
Account Name:	ENSR Consulting & Engineering	Due Date:	5/17/2006
Project Description:	Ingersoll Rand, Phillipsburg, NJ	Deliverable:	REDT2
CSR:	MV	TAT (Days):	14
Sample #:	Change: Cancel PM13		
J29485-All			

Above Changes Per: Gregg**Date:** 5/10/2006**J29485: Chain of Custody****Page 3 of 3**

To Client: This Change Order is confirmation of the revisions, previously discussed with the Accutest Client Service Representative.

Page 1 of 1

Internal Sample Tracking Chronicle

ENSR Consulting & Engineering

Job No: J29485

Ingersoll Rand, Phillipsburg, NJ
Project No: 03710-173-0902

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
J29485-1 MW03	Collected: 03-MAY-06 10:30 By: AM	Received: 03-MAY-06	By: MPC			
J29485-1	SM19 4500NO2B	03-MAY-06 20:55	JOO			NO2
J29485-1	SM18 9215B	04-MAY-06 08:45	MJC			TPC
J29485-1	SM18 3500FED	04-MAY-06 14:16	NP			FE2
J29485-1	EPA 310.1	08-MAY-06	JA			ALK
J29485-1	EPA 376.1	08-MAY-06	ST			S
J29485-1	SM18 4500CO2D	08-MAY-06	JA			BIC,CAR
J29485-1	SM18 4500CO2D	08-MAY-06	JA			BIC,CAR
J29485-1	SW846 8015	11-MAY-06 11:39	HSC			V8015DGMEE
J29485-1	EPA 353.2	15-MAY-06 17:39	HBA	15-MAY-06	HBA	NO32
J29485-1	EPA353.2/SM4500NO2B	15-MAY-06 17:39	HBA			NO30
J29485-1	EPA 300/SW846 9056	15-MAY-06 21:58	JH	15-MAY-06	JH	CHL
J29485-1	EPA 300/SW846 9056	16-MAY-06 17:28	JH	16-MAY-06	JH	SO4
J29485-1	EPA 350.1	18-MAY-06 09:10	NR	13-MAY-06	MM	AMN
J29485-1	SW846 6010B	19-MAY-06 16:27	ND	19-MAY-06	TP	FE
J29485-1	SM18 3500FED M	19-MAY-06 16:27	ND			FE3
J29485-2 MW04	Collected: 03-MAY-06 12:00 By: AM	Received: 03-MAY-06	By: MPC			
J29485-2	SM19 4500NO2B	03-MAY-06 20:55	JOO			NO2
J29485-2	SM18 9215B	04-MAY-06 08:45	MJC			TPC
J29485-2	SM18 3500FED	04-MAY-06 14:16	NP			FE2
J29485-2	EPA 310.1	08-MAY-06	JA			ALK
J29485-2	EPA 376.1	08-MAY-06	ST			S
J29485-2	SM18 4500CO2D	08-MAY-06	JA			BIC,CAR
J29485-2	SM18 4500CO2D	08-MAY-06	JA			BIC,CAR
J29485-2	SW846 8015	11-MAY-06 11:57	HSC			V8015DGMEE
J29485-2	EPA 353.2	15-MAY-06 17:40	HBA	15-MAY-06	HBA	NO32
J29485-2	EPA353.2/SM4500NO2B	15-MAY-06 17:40	HBA			NO30
J29485-2	EPA 300/SW846 9056	15-MAY-06 22:16	JH	15-MAY-06	JH	CHL
J29485-2	EPA 300/SW846 9056	16-MAY-06 17:46	JH	16-MAY-06	JH	SO4
J29485-2	EPA 350.1	18-MAY-06 09:11	NR	13-MAY-06	MM	AMN
J29485-2	SW846 6010B	19-MAY-06 14:48	ND	19-MAY-06	TP	FE
J29485-2	SM18 3500FED M	19-MAY-06 14:48	ND			FE3

Internal Sample Tracking Chronicle

ENSR Consulting & Engineering

Job No: J29485

Ingersoll Rand, Phillipsburg, NJ
Project No: 03710-173-0902

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
J29485-3 MW37	Collected: 03-MAY-06 14:40 By: AM	Received: 03-MAY-06 By: MPC				
J29485-3	SM19 4500NO2B	03-MAY-06 20:55	JOO			NO2
J29485-3	SM18 9215B	04-MAY-06 08:45	MJC			TPC
J29485-3	SM18 3500FED	04-MAY-06 14:16	NP			FE2
J29485-3	EPA 310.1	08-MAY-06	JA			ALK
J29485-3	EPA 376.1	08-MAY-06	ST			S
J29485-3	SM18 4500CO2D	08-MAY-06	JA			BIC,CAR
J29485-3	SM18 4500CO2D	08-MAY-06	JA			BIC,CAR
J29485-3	SW846 8015	11-MAY-06 12:08	HSC			V8015DGMEE
J29485-3	EPA 300/SW846 9056	15-MAY-06 22:35	JH	15-MAY-06	JH	CHL
J29485-3	EPA 300/SW846 9056	16-MAY-06 18:05	JH	16-MAY-06	JH	SO4
J29485-3	EPA 353.2	17-MAY-06 13:58	LE	17-MAY-06	LE	NO32
J29485-3	EPA353.2/SM4500NO2B	7-MAY-06 13:58	LE			NO30
J29485-3	EPA 350.1	18-MAY-06 09:11	NR	13-MAY-06	MM	AMN
J29485-3	SW846 6010B	19-MAY-06 14:54	ND	19-MAY-06	TP	FE
J29485-3	SM18 3500FED M	19-MAY-06 14:54	ND			FE3
J29485-4 MW35	Collected: 03-MAY-06 16:00 By: AM	Received: 03-MAY-06 By: MPC				
J29485-4	SM19 4500NO2B	03-MAY-06 20:55	JOO			NO2
J29485-4	SM18 9215B	04-MAY-06 08:45	MJC			TPC
J29485-4	SM18 3500FED	04-MAY-06 14:16	NP			FE2
J29485-4	EPA 310.1	08-MAY-06	JA			ALK
J29485-4	EPA 376.1	08-MAY-06	ST			S
J29485-4	SM18 4500CO2D	08-MAY-06	JA			BIC,CAR
J29485-4	SM18 4500CO2D	08-MAY-06	JA			BIC,CAR
J29485-4	SW846 8015	11-MAY-06 12:21	HSC			V8015DGMEE
J29485-4	EPA 353.2	15-MAY-06 17:44	HBA	15-MAY-06	HBA	NO32
J29485-4	EPA353.2/SM4500NO2B	5-MAY-06 17:44	HBA			NO30
J29485-4	EPA 300/SW846 9056	15-MAY-06 22:53	JH	15-MAY-06	JH	CHL
J29485-4	EPA 300/SW846 9056	16-MAY-06 19:00	JH	16-MAY-06	JH	SO4
J29485-4	EPA 350.1	18-MAY-06 09:13	NR	13-MAY-06	MM	AMN
J29485-4	SW846 6010B	19-MAY-06 15:00	ND	19-MAY-06	TP	FE
J29485-4	SM18 3500FED M	19-MAY-06 15:00	ND			FE3

Accutest Internal Chain of Custody

Page 1 of 6

Job Number: J29485
 Account: ENSRNJ ENSR Consulting & Engineering
 Project: Ingersoll Rand, Phillipsburg, NJ
 Received: 05/03/06

4.3

4

Sample/Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
J29485-1.1	Secured Storage	Jared O. Onindo	05/03/06 23:46	Retrieve from Storage
J29485-1.1	Viktoriya L. Pushkova	Secured Storage	05/04/06 08:25	Return to Storage
Bottle was returned to secure storage, but inadvertently not scanned.				
J29485-1.1	Secured Storage	Todd Shoemaker	05/08/06 09:49	Retrieve from Storage
J29485-1.1	Todd Shoemaker	Jayshree Amin	05/08/06 09:51	Custody Transfer
J29485-1.1	Jayshree Amin	Secured Storage	05/08/06 16:42	Return to Storage
J29485-1.1	Secured Storage	Todd Shoemaker	05/09/06 09:03	Retrieve from Storage
J29485-1.1	Todd Shoemaker	Jayshree Amin	05/09/06 09:04	Custody Transfer
J29485-1.1	Jayshree Amin	Secured Storage	05/09/06 15:57	Return to Storage
J29485-1.2	Secured Storage	Todd Shoemaker	05/19/06 08:14	Retrieve from Storage
J29485-1.2	Todd Shoemaker	Jieyu Wang	05/19/06 08:17	Custody Transfer
J29485-1.2	Jieyu Wang	Tatiana Pidgainy	05/19/06 11:52	Custody Transfer
J29485-1.2	Tatiana Pidgainy	Secured Storage	05/19/06 16:42	Return to Storage
J29485-1.2.1	Tatiana Pidgainy	Metals Digestion	05/19/06 11:56	Digestate from J29485-1.2
J29485-1.3	Secured Storage	Todd Shoemaker	05/04/06 08:59	Retrieve from Storage
J29485-1.3	Todd Shoemaker	Nikul Patel	05/04/06 09:00	Custody Transfer
J29485-1.3	Nikul Patel	Secured Storage	05/04/06 16:38	Return to Storage
J29485-1.3	Secured Storage	Todd Shoemaker	05/15/06 10:48	Retrieve from Storage
J29485-1.3	Todd Shoemaker	Jasmine Heddish	05/15/06 10:49	Custody Transfer
J29485-1.3	Jasmine Heddish	Secured Storage	05/15/06 16:41	Return to Storage
J29485-1.4	Secured Storage	Mel Magallon	05/13/06 10:47	Retrieve from Storage
J29485-1.4	Mel Magallon	Secured Storage	05/13/06 17:36	Return to Storage
J29485-1.4	Secured Storage	Helen Atienza	05/15/06 15:57	Retrieve from Storage
J29485-1.4	Viktoriya L. Pushkova	Secured Storage	05/16/06 07:09	Return to Storage
Bottle was returned to secure storage, but inadvertently not scanned.				
J29485-1.5	Secured Storage	Todd Shoemaker	05/08/06 09:00	Retrieve from Storage
J29485-1.5	Todd Shoemaker	Sarvadaman Tripathi	05/08/06 09:01	Custody Transfer
J29485-1.5	Sarvadaman Tripathi	Secured Storage	05/08/06 13:29	Return to Storage
J29485-1.5	Secured Storage	Sarvadaman Tripathi	05/08/06 17:28	Retrieve from Storage
J29485-1.5	Sarvadaman Tripathi		05/08/06 17:28	Depleted
J29485-1.6	Secured Storage	Todd Shoemaker	05/08/06 09:00	Retrieve from Storage
J29485-1.6	Todd Shoemaker	Sarvadaman Tripathi	05/08/06 09:01	Custody Transfer
J29485-1.6	Sarvadaman Tripathi	Secured Storage	05/08/06 13:29	Return to Storage
J29485-1.6	Secured Storage	Sarvadaman Tripathi	05/08/06 17:28	Retrieve from Storage
J29485-1.6	Sarvadaman Tripathi		05/08/06 17:28	Depleted
J29485-1.7	Secured Storage	Todd Shoemaker	05/04/06 08:59	Retrieve from Storage
J29485-1.7	Todd Shoemaker	Nikul Patel	05/04/06 09:00	Custody Transfer

Accutest Internal Chain of Custody

Page 2 of 6

Job Number: J29485
 Account: ENSRNJ ENSR Consulting & Engineering
 Project: Ingersoll Rand, Phillipsburg, NJ
 Received: 05/03/06

4.3

4

Sample/Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
J29485-1.7	Nikul Patel	Secured Storage	05/04/06 16:38	Return to Storage
J29485-1.7	Secured Storage	Todd Shoemaker	05/16/06 10:25	Retrieve from Storage
J29485-1.7	Todd Shoemaker	Jasmine Heddish	05/16/06 10:27	Custody Transfer
J29485-1.7	Jasmine Heddish	Secured Storage	05/16/06 16:40	Return to Storage
J29485-1.8	Secured Storage	Matthew J. Chatten	05/04/06 08:28	Retrieve from Storage
J29485-1.8	Matthew J. Chatten		05/04/06 08:29	Depleted
J29485-1.9	Secured Storage	Huasheng Chen	05/11/06 08:38	Retrieve from Storage
J29485-1.9	Huasheng Chen	GCII	05/11/06 08:38	Load on Instrument
J29485-1.9	GCII	Huasheng Chen	05/11/06 16:37	Unload from Instrument
J29485-1.9	Huasheng Chen	Secured Storage	05/11/06 16:37	Return to Storage
J29485-2.1	Secured Storage	Jared O. Onindo	05/03/06 23:46	Retrieve from Storage
J29485-2.1	Viktoriya L. Pushkova	Secured Storage	05/04/06 08:25	Return to Storage
Bottle was returned to secure storage, but inadvertently not scanned.				
J29485-2.1	Secured Storage	Todd Shoemaker	05/08/06 09:49	Retrieve from Storage
J29485-2.1	Todd Shoemaker	Jayshree Amin	05/08/06 09:51	Custody Transfer
J29485-2.1	Jayshree Amin	Secured Storage	05/08/06 16:42	Return to Storage
J29485-2.1	Secured Storage	Todd Shoemaker	05/09/06 09:03	Retrieve from Storage
J29485-2.1	Todd Shoemaker	Jayshree Amin	05/09/06 09:04	Custody Transfer
J29485-2.1	Jayshree Amin	Secured Storage	05/09/06 15:57	Return to Storage
J29485-2.2	Secured Storage	Todd Shoemaker	05/19/06 08:14	Retrieve from Storage
J29485-2.2	Todd Shoemaker	Jieyu Wang	05/19/06 08:17	Custody Transfer
J29485-2.2	Jieyu Wang	Tatiana Pidgainy	05/19/06 11:52	Custody Transfer
J29485-2.2	Tatiana Pidgainy	Secured Storage	05/19/06 16:42	Return to Storage
J29485-2.2.1	Tatiana Pidgainy	Metals Digestion	05/19/06 11:56	Digestate from J29485-2.2
J29485-2.3	Secured Storage	Todd Shoemaker	05/04/06 08:59	Retrieve from Storage
J29485-2.3	Todd Shoemaker	Nikul Patel	05/04/06 09:00	Custody Transfer
J29485-2.3	Nikul Patel	Secured Storage	05/04/06 16:38	Return to Storage
J29485-2.3	Secured Storage	Todd Shoemaker	05/15/06 10:48	Retrieve from Storage
J29485-2.3	Todd Shoemaker	Jasmine Heddish	05/15/06 10:49	Custody Transfer
J29485-2.3	Jasmine Heddish	Secured Storage	05/15/06 16:41	Return to Storage
J29485-2.4	Secured Storage	Mel Magallon	05/13/06 10:47	Retrieve from Storage
J29485-2.4	Mel Magallon	Secured Storage	05/13/06 17:36	Return to Storage
J29485-2.4	Secured Storage	Helen Atienza	05/15/06 15:57	Retrieve from Storage
J29485-2.4	Viktoriya L. Pushkova	Secured Storage	05/16/06 07:09	Return to Storage
Bottle was returned to secure storage, but inadvertently not scanned.				
J29485-2.5	Secured Storage	Todd Shoemaker	05/08/06 09:00	Retrieve from Storage

Accutest Internal Chain of Custody

Page 3 of 6

Job Number: J29485
 Account: ENSRNJ ENSR Consulting & Engineering
 Project: Ingersoll Rand, Phillipsburg, NJ
 Received: 05/03/06

Sample/Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
J29485-2.5	Todd Shoemaker	Sarvadaman Tripathi	05/08/06 09:01	Custody Transfer
J29485-2.5	Sarvadaman Tripathi	Secured Storage	05/08/06 13:29	Return to Storage
J29485-2.5	Secured Storage	Sarvadaman Tripathi	05/08/06 17:28	Retrieve from Storage
J29485-2.5	Sarvadaman Tripathi		05/08/06 17:28	Depleted
J29485-2.6	Secured Storage	Todd Shoemaker	05/08/06 09:00	Retrieve from Storage
J29485-2.6	Todd Shoemaker	Sarvadaman Tripathi	05/08/06 09:01	Custody Transfer
J29485-2.6	Sarvadaman Tripathi	Secured Storage	05/08/06 13:29	Return to Storage
J29485-2.6	Secured Storage	Sarvadaman Tripathi	05/08/06 17:28	Retrieve from Storage
J29485-2.6	Sarvadaman Tripathi		05/08/06 17:28	Depleted
J29485-2.7	Secured Storage	Todd Shoemaker	05/04/06 08:59	Retrieve from Storage
J29485-2.7	Todd Shoemaker	Nikul Patel	05/04/06 09:00	Custody Transfer
J29485-2.7	Nikul Patel	Secured Storage	05/04/06 16:38	Return to Storage
J29485-2.7	Secured Storage	Todd Shoemaker	05/16/06 10:25	Retrieve from Storage
J29485-2.7	Todd Shoemaker	Jasmine Heddish	05/16/06 10:27	Custody Transfer
J29485-2.7	Jasmine Heddish	Secured Storage	05/16/06 16:40	Return to Storage
J29485-2.8	Secured Storage	Matthew J. Chatten	05/04/06 08:28	Retrieve from Storage
J29485-2.8	Matthew J. Chatten		05/04/06 08:29	Depleted
J29485-2.10	Secured Storage	Huasheng Chen	05/11/06 08:38	Retrieve from Storage
J29485-2.10	Huasheng Chen	GCII	05/11/06 08:38	Load on Instrument
J29485-2.10	GCII	Huasheng Chen	05/11/06 16:37	Unload from Instrument
J29485-2.10	Huasheng Chen	Secured Storage	05/11/06 16:37	Return to Storage
J29485-3.1	Secured Storage	Jared O. Onindo	05/03/06 23:46	Retrieve from Storage
J29485-3.1	Viktoriya L. Pushkova	Secured Storage	05/04/06 08:25	Return to Storage
Bottle was returned to secure storage, but inadvertently not scanned.				
J29485-3.1	Secured Storage	Todd Shoemaker	05/08/06 09:49	Retrieve from Storage
J29485-3.1	Todd Shoemaker	Jayshree Amin	05/08/06 09:51	Custody Transfer
J29485-3.1	Jayshree Amin	Secured Storage	05/08/06 16:42	Return to Storage
J29485-3.1	Secured Storage	Todd Shoemaker	05/09/06 09:03	Retrieve from Storage
J29485-3.1	Todd Shoemaker	Jayshree Amin	05/09/06 09:04	Custody Transfer
J29485-3.1	Jayshree Amin	Secured Storage	05/09/06 15:57	Return to Storage
J29485-3.2	Secured Storage	Todd Shoemaker	05/19/06 08:14	Retrieve from Storage
J29485-3.2	Todd Shoemaker	Jieyu Wang	05/19/06 08:17	Custody Transfer
J29485-3.2	Jieyu Wang	Tatiana Pidgainy	05/19/06 11:52	Custody Transfer
J29485-3.2	Tatiana Pidgainy	Secured Storage	05/19/06 16:42	Return to Storage
J29485-3.2.1	Tatiana Pidgainy	Metals Digestion	05/19/06 11:56	Digestate from J29485-3.2
J29485-3.3	Secured Storage	Todd Shoemaker	05/04/06 08:59	Retrieve from Storage

Accutest Internal Chain of Custody

Page 4 of 6

Job Number: J29485
 Account: ENSRNJ ENSR Consulting & Engineering
 Project: Ingersoll Rand, Phillipsburg, NJ
 Received: 05/03/06

Sample/Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
J29485-3.3	Todd Shoemaker	Nikul Patel	05/04/06 09:00	Custody Transfer
J29485-3.3	Nikul Patel	Secured Storage	05/04/06 16:38	Return to Storage
J29485-3.3	Secured Storage	Todd Shoemaker	05/15/06 10:48	Retrieve from Storage
J29485-3.3	Todd Shoemaker	Jasmine Heddish	05/15/06 10:49	Custody Transfer
J29485-3.3	Jasmine Heddish	Secured Storage	05/15/06 16:41	Return to Storage
J29485-3.4	Secured Storage	Mel Magallon	05/13/06 10:47	Retrieve from Storage
J29485-3.4	Mel Magallon	Secured Storage	05/13/06 17:36	Return to Storage
J29485-3.4	Secured Storage	Helen Atienza	05/15/06 15:57	Retrieve from Storage
J29485-3.4	Viktoriya L. Pushkova	Secured Storage	05/16/06 07:09	Return to Storage
Bottle was returned to secure storage, but inadvertently not scanned.				
J29485-3.4	Secured Storage	Dave Hunkele	05/17/06 08:45	Retrieve from Storage
J29485-3.4	Dave Hunkele	Laura Earomirski	05/17/06 08:49	Custody Transfer
J29485-3.4	Laura Earomirski	Secured Storage	05/17/06 15:52	Return to Storage
J29485-3.6	Secured Storage	Todd Shoemaker	05/08/06 09:00	Retrieve from Storage
J29485-3.6	Todd Shoemaker	Sarvadaman Tripathi	05/08/06 09:01	Custody Transfer
J29485-3.6	Sarvadaman Tripathi	Secured Storage	05/08/06 13:29	Return to Storage
J29485-3.6	Secured Storage	Sarvadaman Tripathi	05/08/06 17:28	Retrieve from Storage
J29485-3.6	Sarvadaman Tripathi		05/08/06 17:28	Depleted
J29485-3.7	Secured Storage	Todd Shoemaker	05/04/06 08:59	Retrieve from Storage
J29485-3.7	Todd Shoemaker	Nikul Patel	05/04/06 09:00	Custody Transfer
J29485-3.7	Nikul Patel	Secured Storage	05/04/06 16:38	Return to Storage
J29485-3.7	Secured Storage	Todd Shoemaker	05/16/06 10:25	Retrieve from Storage
J29485-3.7	Todd Shoemaker	Jasmine Heddish	05/16/06 10:27	Custody Transfer
J29485-3.7	Jasmine Heddish	Secured Storage	05/16/06 16:40	Return to Storage
J29485-3.8	Secured Storage	Matthew J. Chatten	05/04/06 08:28	Retrieve from Storage
J29485-3.8	Matthew J. Chatten		05/04/06 08:29	Depleted
J29485-3.10	Secured Storage	Huasheng Chen	05/11/06 08:38	Retrieve from Storage
J29485-3.10	Huasheng Chen	GCII	05/11/06 08:38	Load on Instrument
J29485-3.10	GCII	Huasheng Chen	05/11/06 16:37	Unload from Instrument
J29485-3.10	Huasheng Chen	Secured Storage	05/11/06 16:37	Return to Storage
J29485-4.1	Secured Storage	Jared O. Onindo	05/03/06 23:46	Retrieve from Storage
J29485-4.1	Viktoriya L. Pushkova	Secured Storage	05/04/06 08:25	Return to Storage
Bottle was returned to secure storage, but inadvertently not scanned.				
J29485-4.1	Secured Storage	Todd Shoemaker	05/08/06 09:49	Retrieve from Storage
J29485-4.1	Todd Shoemaker	Jayshree Amin	05/08/06 09:51	Custody Transfer
J29485-4.1	Jayshree Amin	Secured Storage	05/08/06 16:42	Return to Storage
J29485-4.1	Secured Storage	Todd Shoemaker	05/09/06 09:03	Retrieve from Storage
J29485-4.1	Todd Shoemaker	Jayshree Amin	05/09/06 09:04	Custody Transfer

Accutest Internal Chain of Custody

Page 5 of 6

Job Number: J29485
 Account: ENSRNJ ENSR Consulting & Engineering
 Project: Ingersoll Rand, Phillipsburg, NJ
 Received: 05/03/06

Sample/Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
J29485-4.1	Jayshree Amin	Secured Storage	05/09/06 15:57	Return to Storage
J29485-4.2	Secured Storage	Todd Shoemaker	05/19/06 08:14	Retrieve from Storage
J29485-4.2	Todd Shoemaker	Jieyu Wang	05/19/06 08:17	Custody Transfer
J29485-4.2	Jieyu Wang	Tatiana Pidgainy	05/19/06 11:52	Custody Transfer
J29485-4.2	Tatiana Pidgainy	Secured Storage	05/19/06 16:42	Return to Storage
J29485-4.2.1	Tatiana Pidgainy	Metals Digestion	05/19/06 11:56	Digestate from J29485-4.2
J29485-4.3	Secured Storage	Todd Shoemaker	05/04/06 08:59	Retrieve from Storage
J29485-4.3	Todd Shoemaker	Nikul Patel	05/04/06 09:00	Custody Transfer
J29485-4.3	Nikul Patel	Secured Storage	05/04/06 16:38	Return to Storage
J29485-4.3	Secured Storage	Todd Shoemaker	05/15/06 10:48	Retrieve from Storage
J29485-4.3	Todd Shoemaker	Jasmine Heddish	05/15/06 10:49	Custody Transfer
J29485-4.3	Jasmine Heddish	Secured Storage	05/15/06 16:41	Return to Storage
J29485-4.4	Secured Storage	Mel Magallon	05/13/06 10:47	Retrieve from Storage
J29485-4.4	Mel Magallon	Secured Storage	05/13/06 17:36	Return to Storage
J29485-4.4	Secured Storage	Helen Atienza	05/15/06 15:57	Retrieve from Storage
J29485-4.4	Viktoriya L. Pushkova	Secured Storage	05/16/06 07:09	Return to Storage
Bottle was returned to secure storage, but inadvertently not scanned.				
J29485-4.5	Secured Storage	Todd Shoemaker	05/08/06 09:00	Retrieve from Storage
J29485-4.5	Todd Shoemaker	Sarvadaman Tripathi	05/08/06 09:01	Custody Transfer
J29485-4.5	Sarvadaman Tripathi	Secured Storage	05/08/06 13:29	Return to Storage
J29485-4.5	Secured Storage	Sarvadaman Tripathi	05/08/06 17:28	Retrieve from Storage
J29485-4.5	Sarvadaman Tripathi		05/08/06 17:28	Depleted
J29485-4.6	Secured Storage	Todd Shoemaker	05/08/06 09:00	Retrieve from Storage
J29485-4.6	Todd Shoemaker	Sarvadaman Tripathi	05/08/06 09:01	Custody Transfer
J29485-4.6	Sarvadaman Tripathi	Secured Storage	05/08/06 13:29	Return to Storage
J29485-4.7	Secured Storage	Todd Shoemaker	05/04/06 08:59	Retrieve from Storage
J29485-4.7	Todd Shoemaker	Nikul Patel	05/04/06 09:00	Custody Transfer
J29485-4.7	Nikul Patel	Secured Storage	05/04/06 16:38	Return to Storage
J29485-4.7	Secured Storage	Todd Shoemaker	05/16/06 10:25	Retrieve from Storage
J29485-4.7	Todd Shoemaker	Jasmine Heddish	05/16/06 10:27	Custody Transfer
J29485-4.7	Jasmine Heddish	Secured Storage	05/16/06 16:40	Return to Storage
J29485-4.8	Secured Storage	Matthew J. Chatten	05/04/06 08:28	Retrieve from Storage
J29485-4.8	Matthew J. Chatten		05/04/06 08:29	Depleted
J29485-4.9	Secured Storage	Huasheng Chen	05/11/06 08:38	Retrieve from Storage
J29485-4.9	Huasheng Chen	GCII	05/11/06 08:38	Load on Instrument

Accutest Internal Chain of Custody

Page 6 of 6

Job Number: J29485
Account: ENSRNJ ENSR Consulting & Engineering
Project: Ingersoll Rand, Phillipsburg, NJ
Received: 05/03/06

Sample/Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
J29485-4.9	GCII	Huasheng Chen	05/11/06 16:37	Unload from Instrument
J29485-4.9	Huasheng Chen	Secured Storage	05/11/06 16:37	Return to Storage



IT'S ALL IN THE CHEMISTRY

GC Volatiles

5

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Surrogate Recovery Summaries
- GC Surrogate Retention Time Summaries
- Initial and Continuing Calibration Summaries

Method Blank Summary

Job Number: J29485

Account: ENSRNJ ENSR Consulting & Engineering

Project: Ingersoll Rand, Phillipsburg, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GII1588-MB	II31361.D	1	05/11/06	HSC	n/a	n/a	GII1588

The QC reported here applies to the following samples:

Method: SW846 8015

J29485-1, J29485-2, J29485-3, J29485-4

CAS No.	Compound	Result	RL	MDL	Units	Q
74-82-8	Methane	ND	0.10	0.066	ug/l	
74-84-0	Ethane	ND	0.10	0.056	ug/l	
74-85-1	Ethene	ND	0.10	0.075	ug/l	

Laboratory Control Sample Summary

Page 1 of 1

Job Number: J29485

Account: ENSRNJ ENSR Consulting & Engineering

Project: Ingersoll Rand, Phillipsburg, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GII1588-LCS	II31359.D	1	05/11/06	HSC	n/a	n/a	GII1588

The QC reported here applies to the following samples:

Method: SW846 8015

J29485-1, J29485-2, J29485-3, J29485-4

CAS No.	Compound	Spike ug/l	LCS ug/l	LCS %	Limits
74-82-8	Methane	100	82.9	83	67-128
74-84-0	Ethane	100	82.7	83	80-128
74-85-1	Ethene	100	85.7	86	70-140

Duplicate Summary

Job Number: J29485

Account: ENSRNJ ENSR Consulting & Engineering

Project: Ingersoll Rand, Phillipsburg, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
J29351-2DUP	II31366.D	1	05/11/06	HSC	n/a	n/a	GII1588
J29351-2	II31365.D	1	05/11/06	HSC	n/a	n/a	GII1588

The QC reported here applies to the following samples:

Method: SW846 8015

J29485-1, J29485-2, J29485-3, J29485-4

CAS No.	Compound	J29351-2		DUP		Q	RPD	Limits
		ug/l	Q	ug/l				
74-82-8	Methane	7.26		6.66		9		20
74-84-0	Ethane	ND		ND		nc		10
74-85-1	Ethene	ND		ND		nc		10

Duplicate Summary

Page 1 of 1

Job Number: J29485

Account: ENSRNJ ENSR Consulting & Engineering

Project: Ingersoll Rand, Phillipsburg, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
J29543-5DUP	II31376.D	1	05/11/06	HSC	n/a	n/a	GII1588
J29543-5	II31375.D	1	05/11/06	HSC	n/a	n/a	GII1588

The QC reported here applies to the following samples:

Method: SW846 8015

J29485-1, J29485-2, J29485-3, J29485-4

CAS No.	Compound	J29543-5		DUP		Q	RPD	Limits
		ug/l	Q	ug/l				
74-82-8	Methane	393		391		1		20
74-84-0	Ethane	2.4		2.4		2		10
74-85-1	Ethene	0.80		0.78		3		10

Initial Calibration Summary

Page 1 of 1

Job Number: J29485

Sample: GII1454-ICC1454

Account: ENSR NJ ENSR Consulting & Engineering

Lab FileID: II28188.D

Project: Ingersoll Rand, Phillipsburg, NJ

Response Factor Report GCII

Method : C:\HPCHEM\1\METHODS\MI I 1454.M (RTE Integrator)
Title : 8015 DISSOLVED GASES BY GC FID/TCD CARBOXEN1006
Last Update : Mon Feb 21 15:48:42 2005

Calibration Files

1	=I I 28195.D	2	=I I 28197.D	3	=I I 28196.D
4	=I I 28190.D	5	=I I 28189.D	6	=I I 28188.D

	Compound	1	2	3	4	5	6	Avg	%RSD
1)	METHANE	4.358	5.036	4.335	5.007	4.875	4.766	E2	7.77
2)	ETHYLENE			8.288	9.357	8.794	8.840	E2	8.35
3)	ETHANE			8.550	9.516	9.166	8.730	E2	8.77

Signal #2 Calibration Files

1	=I I 28195.D	2	=I I 28197.D	3	=I I 28196.D
4	=I I 28190.D	5	=I I 28189.D	6	=I I 28188.D

	Compound	1	2	3	4	5	6	Avg	%RSD
5)	CARBON MONOXIDE	3.685	3.555	3.420	3.598	3.916	3.717	E1	6.97
6)	METHANE #2	2.527	2.581	2.374	2.656	2.494	2.632	E1	6.82
7)	CARBON DIOXIDE	3.608	3.622	3.379	3.780	3.882	3.971	E1	12.60
8)	ETHYLENE #2			3.393	3.769	3.782	3.690	E1	4.10
9)	ETHANE #2			3.613	3.979	3.935	3.740	E1	8.46

(#) = Out of Range ### Number of calibration levels exceeded format ###

MI I 1454.M

Mon Feb 21 16:21:21 2005

GCII

Continuing Calibration Summary

Page 1 of 1

Job Number: J29485

Sample: GII1588-CC1454

Account: ENSRNJ ENSR Consulting & Engineering

Lab FileID: II31358.D

Project: Ingersoll Rand, Phillipsburg, NJ

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\II131358.D\FID1A.CH Vi al : 1
Signal #2 : C:\HPCHEM\1\DATA\II131358.D\TCD2B.CH
Acq On : 11 May 2006 8:59 am Operator: HUASHENG
Sample : CC1454-100 Inst : GCII
Misc : GC24506, GII1588, , , , 1 Multipl r: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P

Method : C:\HPCHEM\1\METHODS\MI11454.M (RTE Integrator)
Title : 8015 DISSOLVED GASES BY GC FID/TCD CARBOXEN1006
Last Update : Tue May 16 14:55:36 2006
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
1	METHANE	476.642	542.510	-13.8	111	0.00
2	ETHYLENE	883.966	1005.360	-13.7	114	0.00
3	ETHANE	873.024	1031.500	-18.2	113	0.00

Signal #2

5	CARBON MONOXIDE	37.165	38.100	-2.5	97	0.00
6	METHANE #2	26.315	20.390	22.5	82	0.00
7	CARBON DIOXIDE	39.714	32.320	18.6	83	0.00
8	ETHYLENE #2	36.897	29.970	18.8	79	0.00
9	ETHANE #2	37.405	32.430	13.3	82	0.00

(#) = Out of Range
II31358.D MI11454.M

SPCC's out = 0 CCC's out = 0
Tue May 16 14:56:04 2006 GCII

Continuing Calibration Summary

Page 1 of 1

Job Number: J29485

Sample: GII1588-ECC1454

Account: ENSRNJ ENSR Consulting & Engineering

Lab FileID: II31385.D

Project: Ingersoll Rand, Phillipsburg, NJ

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\II 31385.D\FID1A.CH Vi al : 26
Signal #2 : C:\HPCHEM\1\DATA\II 31385.D\TCD2B.CH
Acq On : 11 May 2006 4:26 pm Operator: HUASHENG
Sample : ECC1454-100 Inst : GCII
Misc : GC24519, GII1588, , , , 1 Multipl r: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P

Method : C:\HPCHEM\1\METHODS\MI 1454.M (RTE Integrator)
Title : 8015 DISSOLVED GASES BY GC FID/TCD CARBOXEN1006
Last Update : Mon May 15 16:33:04 2006
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R. T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
1 METHANE	476.642	571.750	-20.0	117	-0.02
2 ETHYLENE	883.966	996.770	-12.8	113	0.00
3 ETHANE	873.024	1028.150	-17.8	112	0.00

Signal #2

5	CARBON MONOXIDE	37.165	38.160	-2.7	97	-0.03
6	METHANE #2	26.315	24.730	6.0	99	-0.02
7	CARBON DIOXIDE	39.714	33.550	15.5	86	0.00
8	ETHYLENE #2	36.897	32.280	12.5	85	0.00
9	ETHANE #2	37.405	34.100	8.8	87	0.00

(#) = Out of Range
II31327.D MI 1454.M

SPCC's out = 0 CCC's out = 0
Tue May 16 14:28:18 2006 GCII



IT'S ALL IN THE CHEMISTRY

GC Volatiles

Raw Data

Manual Integrations
APPROVED
(compounds with "m" flag)
Jessica Reitan-Chu
05/17/06 17:25

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\II31369.D\FID1A.CH Vial: 12
 Signal #2 : C:\HPCHEM\1\DATA\II31369.D\TCD2B.CH
 Acq On : 11 May 2006 11:39 am Operator: HUASHENG
 Sample : J29485-1 Inst : GCII
 Misc : GC24519,GII1588,,,,1 Multiplr: 1.00
 IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
 Quant Time: May 11 11:50 2006 Quant Results File: MII1454.RES

Quant Method : C:\HPCHEM\1\METHODS\MII1454.M (RTE Integrator)
 Title : 8015 DISSOLVED GASES BY GC FID/TCD CARBOXEN1006
 Last Update : Fri May 05 11:10:10 2006
 Response via : Initial Calibration
 DataAcq Meth : GASES2.M

Volume Inj. : 500 uL.
 Signal #1 Phase : CARBOXEN 1006 Signal #2 Phase: CARBOXEN 1006
 Signal #1 Info : PLOT COLUMN 30 M Signal #2 Info : PLOT COLUMN 30 M. x .53 mm. I.D.

Compound	R.T.	Response	Conc Units
<hr/>			
Target Compounds			
1) METHANE	2.15	2859348	5998.939 ppmv
6) METHANE #2	2.15	121406	4613.519 ppmv
7) CARBON DIOXIDE	3.25	2184160	54997.234 ppmv m

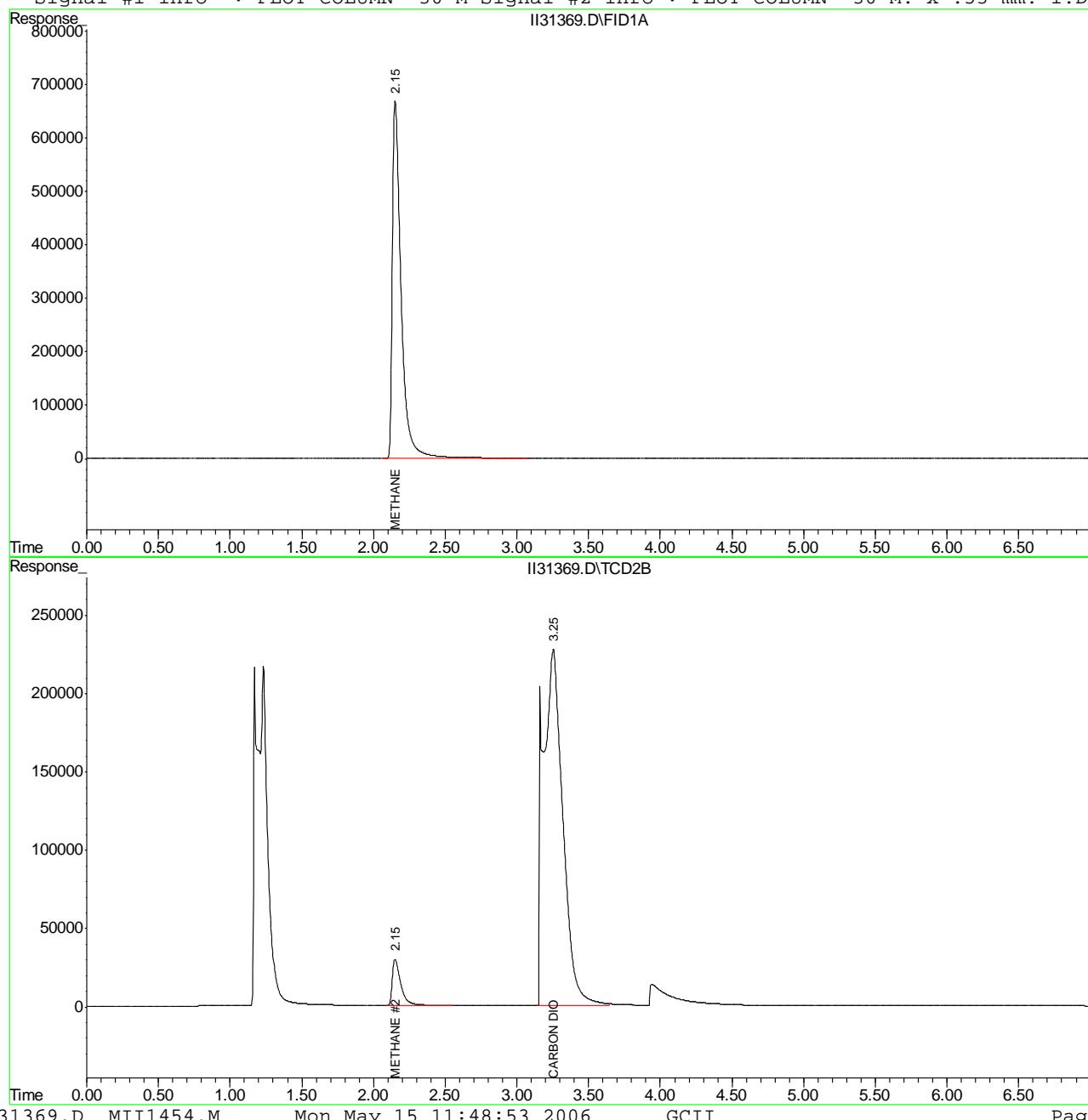
 (f)=RT Delta > 1/2 Window (m)=manual int.
 II31369.D MII1454.M Mon May 15 11:48:53 2006 GCII

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\II31369.D\FID1A.CH Vial: 12
 Signal #2 : C:\HPCHEM\1\DATA\II31369.D\TCD2B.CH
 Acq On : 11 May 2006 11:39 am Operator: HUASHENG
 Sample : J29485-1 Inst : GCII
 Misc : GC24519,GII1588,,,,1 Multiplr: 1.00
 IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
 Quant Time: May 11 11:50 2006 Quant Results File: MII1454.RES

Quant Method : C:\HPCHEM\1\METHODS\MII1454.M (RTE Integrator)
 Title : 8015 DISSOLVED GASES BY GC FID/TCD CARBOXEN1006
 Last Update : Fri May 05 11:10:10 2006
 Response via : Multiple Level Calibration
 DataAcq Meth : GASES2.M

Volume Inj. : 500 uL.
 Signal #1 Phase : CARBOXEN 1006 Signal #2 Phase: CARBOXEN 1006
 Signal #1 Info : PLOT COLUMN 30 M Signal #2 Info : PLOT COLUMN 30 M. x .53 mm. I.D.



Dissolved Gas Calculation Worksheet

Data File Name **II31369.D**
 Date Acquired **5/11/2006 11:39**
 Sample Name **J29485-1**
 Sample Multiplier **1**
 Temperature(C) **22**
 Headspace Vol. (cc) **5**
 Sample Vol(cc) **37**

Compound	MW	Molar Volume(L)	Water g-moles/L	Temp K	Corrected Gas dens.	Peak Area	Helium Blank	Headspace (ppmv)*	Headspace (ug/l)	Water (ug/l)	Henry's Constant	Saturation Conc.(ug/l)	Total (ug/L)	MDL (ug/l)	Report (ug/l)
METHANE	16	22.4	55.5	295	24.21	2859348	185	5998.55	3965.14	535.83	39080	136.303	672.13	0.10	672.13
ETHANE	30	22.4	55.5	295	24.21	0	0	0.00	0.00	0.00	27860	0.000	0.000	0.014	ND
ETHYLENE	28	22.4	55.5	295	24.21	0	0	0.00	0.00	0.00	10680	0.000	0.000	0.014	ND
CARBON DIO	44	22.4	55.5	295	24.21	2184160	165	54993.08	99966.23	13508.95	15080	8905.38	22414	100	22414

* ppmv is corrected for helium blank background peak area

Definitions.

Molar Volume The volume of 1 mole of any gas at standard temperature and pressure(STP)
 Water g/Moles 1 Liter of water is equal to 55.5g-moles
 Temp-kelvin Is defined as 273 + degrees C
 Corrected Gas Density Gas density corrected for temperature is equal to (molar volume) x (temp-k/273)
 Headspace conc(ug/l) Is equal to (ppmv reading) x (mw/corrected gas density)
 Water Concentration(ug/l) Is equal to headspace conc(ug/l) x headspace vol/sample vol
 Saturation Concentration(ug/l) Gas which remains at equilibrium in the sample is equal to (headspace conc-ppm) x (mw) x (55.5)/(Henry's Constant)

temp-c	Henry's Constants										
	20	21	22	23	24	25	26	27	28	29	30
Methane	37600	38340	39080	39820	40560	41300	42020	42740	43460	44180	44900
Ethane	26300	27080	27860	28640	29420	30200	31000	31800	32600	33400	34200
Ethene	10200	10440	10680	10920	11160	11400	11660	11920	12180	12440	12700
Oxygen	40100	40840	41580	42320	43060	43800	44540	45280	46020	46760	47500
CO	52600	53680	54760	55840	56920	58000	58800	59600	60400	61200	62000
CO2	14200	14640	15080	15520	15960	16400	16840	17280	17720	18160	18600
Nitrogen	80400	81620	82840	84060	85280	86500	87680	88860	90040	91220	92400
Hydrogen	68300	68780	69260	69740	70220	70700	71140	71580	72020	72460	72900

**Manual Integrations
APPROVED
(compounds with "m" flag)**
Jessica Reitan-Chu
05/17/06 17:25

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\II31370.D\FID1A.CH Vial: 13
 Signal #2 : C:\HPCHEM\1\DATA\II31370.D\TCD2B.CH
 Acq On : 11 May 2006 11:57 am Operator: HUASHENG
 Sample : J29485-2 Inst : GCII
 Misc : GC24519,GII1588,,,,1 Multiplr: 1.00
 IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
 Quant Time: May 11 12:01 2006 Quant Results File: MII1454.RES

Quant Method : C:\HPCHEM\1\METHODS\MII1454.M (RTE Integrator)
 Title : 8015 DISSOLVED GASES BY GC FID/TCD CARBOXEN1006
 Last Update : Fri May 05 11:10:10 2006
 Response via : Initial Calibration
 DataAcq Meth : GASES2.M

Volume Inj. : 500 uL.
 Signal #1 Phase : CARBOXEN 1006 Signal #2 Phase: CARBOXEN 1006
 Signal #1 Info : PLOT COLUMN 30 M Signal #2 Info : PLOT COLUMN 30 M. x .53 mm. I.D.

Compound	R.T.	Response	Conc Units
<hr/>			
Target Compounds			
1) METHANE	2.16	38805	81.413 ppmv
2) ETHYLENE	5.21	679	0.768 ppmv m
6) METHANE #2	2.16	1448	55.025 ppmv
7) CARBON DIOXIDE	3.26	3048072	76750.571 ppmv m

6.1.3

6

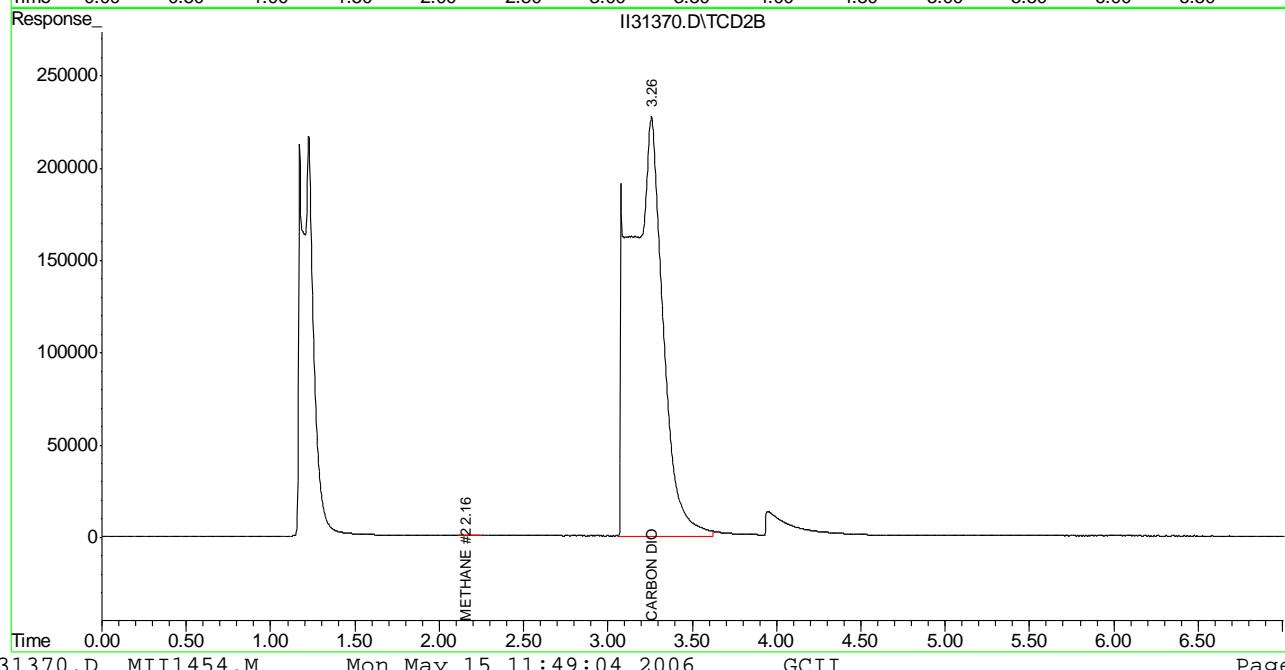
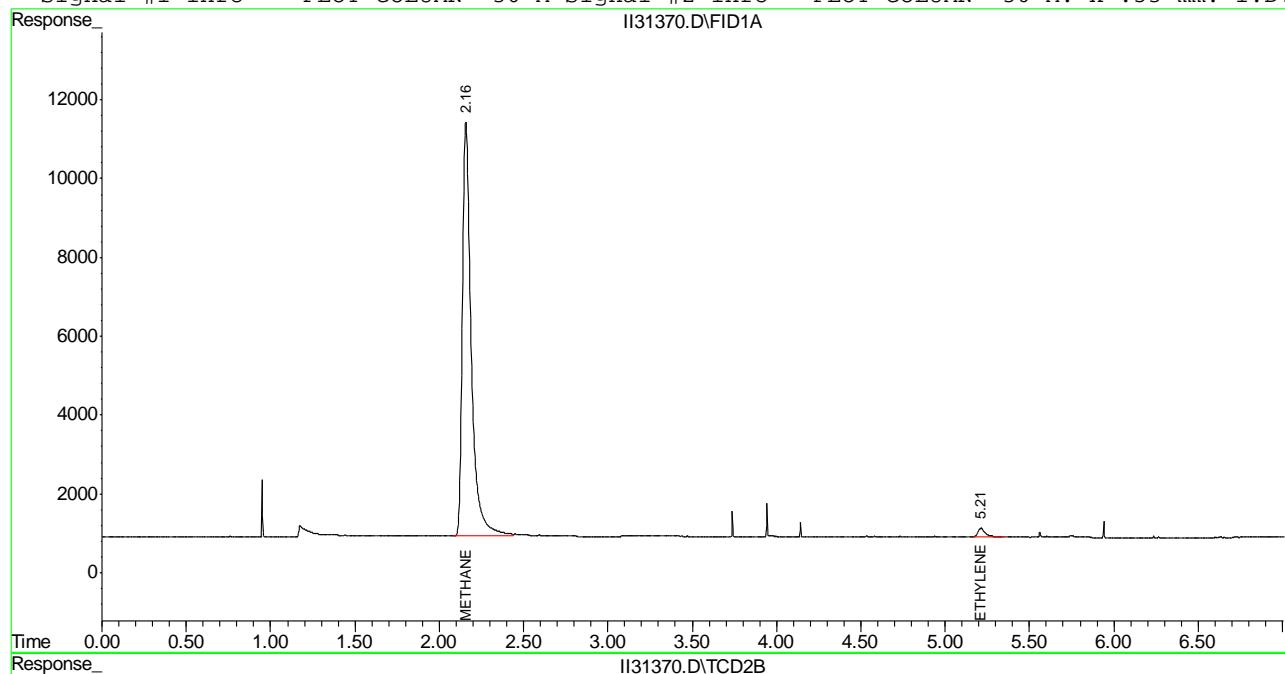
(f)=RT Delta > 1/2 Window (m)=manual int.
 II31370.D MII1454.M Mon May 15 11:49:04 2006 GCII

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\II31370.D\FID1A.CH Vial: 13
 Signal #2 : C:\HPCHEM\1\DATA\II31370.D\TCD2B.CH
 Acq On : 11 May 2006 11:57 am Operator: HUASHENG
 Sample : J29485-2 Inst : GCII
 Misc : GC24519,GII1588,,,,1 Multiplr: 1.00
 IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
 Quant Time: May 11 12:01 2006 Quant Results File: MII1454.RES

Quant Method : C:\HPCHEM\1\METHODS\MII1454.M (RTE Integrator)
 Title : 8015 DISSOLVED GASES BY GC FID/TCD CARBOXEN1006
 Last Update : Fri May 05 11:10:10 2006
 Response via : Multiple Level Calibration
 DataAcq Meth : GASES2.M

Volume Inj. : 500 uL.
 Signal #1 Phase : CARBOXEN 1006 Signal #2 Phase: CARBOXEN 1006
 Signal #1 Info : PLOT COLUMN 30 M Signal #2 Info : PLOT COLUMN 30 M. x .53 mm. I.D.



Dissolved Gas Calculation Worksheet

Data File Name **II31370.D**
 Date Acquired **5/11/2006 11:57**
 Sample Name **J29485-2**
 Sample Multiplier **1**
 Temperature(C) **22**
 Headspace Vol. (cc) **5**
 Sample Vol(cc) **37**

Compound	MW	Molar Volume(L)	Water g-moles/L	Temp K	Corrected Gas dens.	Peak Area	Helium Blank	Headspace (ppmv)*	Headspace (ug/l)	Water (ug/l)	Henry's Constant	Saturation Conc.(ug/l)	Total (ug/L)	MDL (ug/l)	Report (ug/l)
METHANE	16	22.4	55.5	295	24.21	38805	185	81.03	53.56	7.24	39080	1.841	9.08	0.10	9.08
ETHANE	30	22.4	55.5	295	24.21	0	0	0.00	0.00	0.00	27860	0.000	0.000	0.014	ND
ETHYLENE	28	22.4	55.5	295	24.21	679	0	0.77	0.89	0.12	10680	0.112	0.232	0.014	0.232
CARBON DIO	44	22.4	55.5	295	24.21	3048072	165	76746.42	139509.38	18852.62	15080	12428.03	31281	100	31281

* ppmv is corrected for helium blank background peak area

Definitions.

Molar Volume
The volume of 1 mole of any gas at standard temperature and pressure(STP)
 Water g/Moles
1 Liter of water is equal to 55.5g-moles
 Temp-kelvin
Is defined as 273 + degrees C
 Corrected Gas Density
Gas density corrected for temperature is equal to (molar volume) x (temp-k/273)
 Headspace conc(ug/l)
Is equal to (ppmv reading) x (mw/corrected gas density)
 Water Concentration(ug/l)
Is equal to headspace conc(ug/l) x headspace vol/sample vol
 Saturation Concentration(ug/l)
Gas which remains at equilibrium in the sample is equal to (headspace conc-ppm) x (mw) x (55.5)/(Henry's Constant)

temp-c	Henry's Constants										
	20	21	22	23	24	25	26	27	28	29	30
Methane	37600	38340	39080	39820	40560	41300	42020	42740	43460	44180	44900
Ethane	26300	27080	27860	28640	29420	30200	31000	31800	32600	33400	34200
Ethene	10200	10440	10680	10920	11160	11400	11660	11920	12180	12440	12700
Oxygen	40100	40840	41580	42320	43060	43800	44540	45280	46020	46760	47500
CO	52600	53680	54760	55840	56920	58000	58800	59600	60400	61200	62000
CO2	14200	14640	15080	15520	15960	16400	16840	17280	17720	18160	18600
Nitrogen	80400	81620	82840	84060	85280	86500	87680	88860	90040	91220	92400
Hydrogen	68300	68780	69260	69740	70220	70700	71140	71580	72020	72460	72900

**Manual Integrations
APPROVED
(compounds with "m" flag)**
Jessica Reitan-Chu
05/17/06 17:26

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\II31371.D\FID1A.CH Vial: 14
 Signal #2 : C:\HPCHEM\1\DATA\II31371.D\TCD2B.CH
 Acq On : 11 May 2006 12:08 pm Operator: HUASHENG
 Sample : J29485-3 Inst : GCII
 Misc : GC24519,GII1588,,,,1 Multiplr: 1.00
 IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
 Quant Time: May 11 12:14 2006 Quant Results File: MII1454.RES

Quant Method : C:\HPCHEM\1\METHODS\MII1454.M (RTE Integrator)
 Title : 8015 DISSOLVED GASES BY GC FID/TCD CARBOXEN1006
 Last Update : Fri May 05 11:10:10 2006
 Response via : Initial Calibration
 DataAcq Meth : GASES2.M

Volume Inj. : 500 uL.
 Signal #1 Phase : CARBOXEN 1006 Signal #2 Phase: CARBOXEN 1006
 Signal #1 Info : PLOT COLUMN 30 M Signal #2 Info : PLOT COLUMN 30 M. x .53 mm. I.D.

Compound	R.T.	Response	Conc Units
<hr/>			
Target Compounds			
1) METHANE	2.17	561	1.177 ppmv
7) CARBON DIOXIDE	3.25	1847732	46525.964 ppmv m

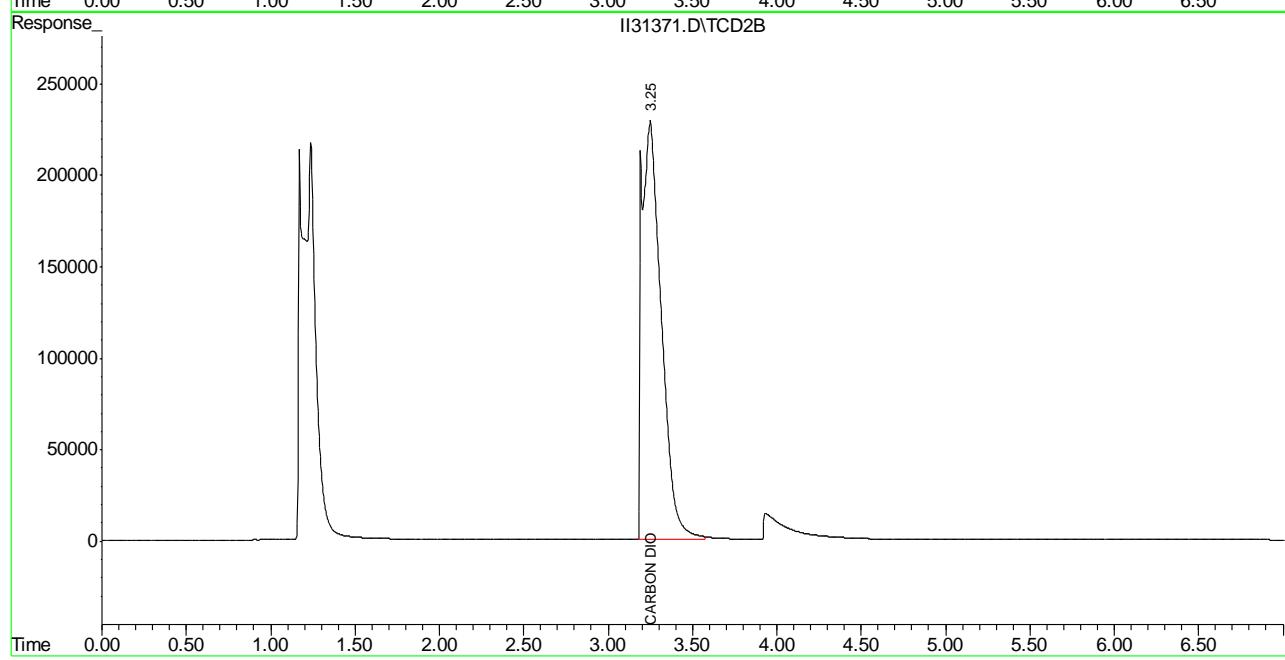
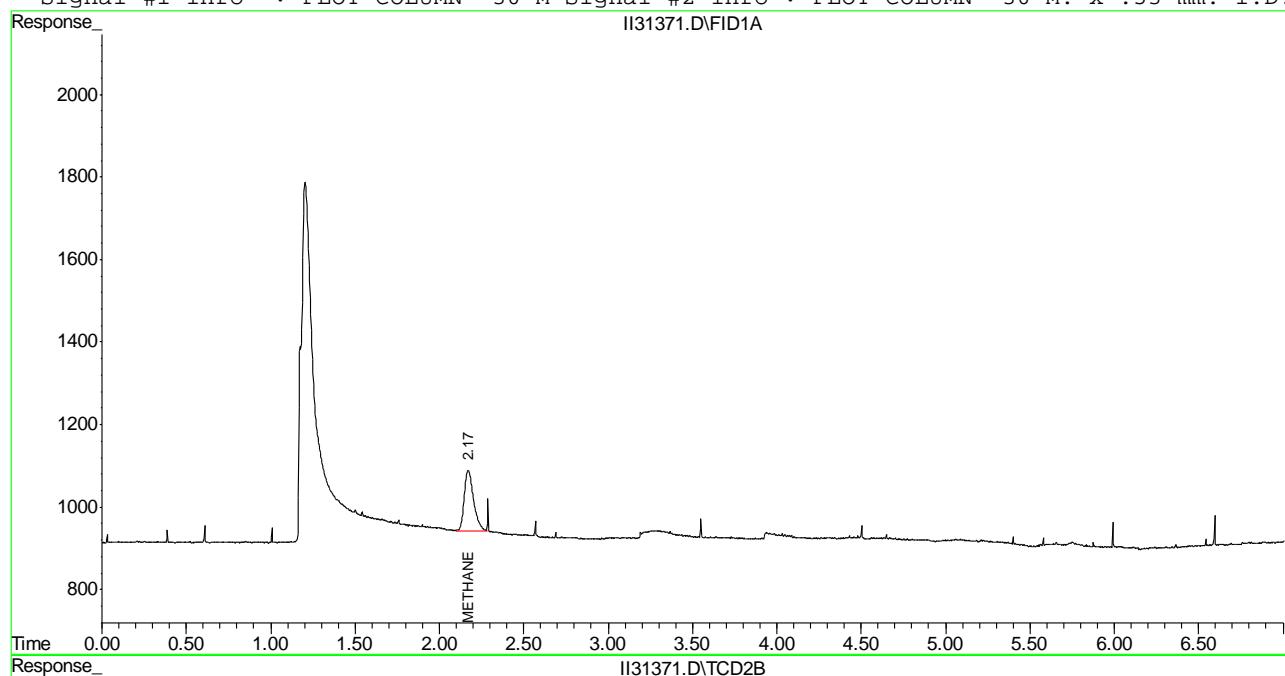
(f)=RT Delta > 1/2 Window (m)=manual int.
 II31371.D MII1454.M Mon May 15 11:49:15 2006 GCII

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\II31371.D\FID1A.CH Vial: 14
 Signal #2 : C:\HPCHEM\1\DATA\II31371.D\TCD2B.CH
 Acq On : 11 May 2006 12:08 pm Operator: HUASHENG
 Sample : J29485-3 Inst : GCII
 Misc : GC24519,GII1588,,,,1 Multiplr: 1.00
 IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
 Quant Time: May 11 12:14 2006 Quant Results File: MII1454.RES

Quant Method : C:\HPCHEM\1\METHODS\MII1454.M (RTE Integrator)
 Title : 8015 DISSOLVED GASES BY GC FID/TCD CARBOXEN1006
 Last Update : Fri May 05 11:10:10 2006
 Response via : Multiple Level Calibration
 DataAcq Meth : GASES2.M

Volume Inj. : 500 uL.
 Signal #1 Phase : CARBOXEN 1006 Signal #2 Phase: CARBOXEN 1006
 Signal #1 Info : PLOT COLUMN 30 M Signal #2 Info : PLOT COLUMN 30 M. x .53 mm. I.D.



Dissolved Gas Calculation Worksheet

Data File Name **II31371.D**
 Date Acquired **5/11/2006 12:08**
 Sample Name **J29485-3**
 Sample Multiplier **1**
 Temperature(C) **22**
 Headspace Vol. (cc) **5**
 Sample Vol(cc) **37**

Compound	MW	Molar Volume(L)	Water g-moles/L	Temp K	Corrected Gas dens.	Peak Area	Helium Blank	Headspace (ppmv)*	Headspace (ug/l)	Water (ug/l)	Henry's Constant	Saturation Conc.(ug/l)	Total (ug/L)	MDL (ug/l)	Report (ug/l)
METHANE	16	22.4	55.5	295	24.21	561	185	0.79	0.52	0.07	39080	0.018	0.09	0.10	ND
ETHANE	30	22.4	55.5	295	24.21	0	0	0.00	0.00	0.00	27860	0.000	0.000	0.014	ND
ETHYLENE	28	22.4	55.5	295	24.21	0	0	0.00	0.00	0.00	10680	0.000	0.000	0.014	ND
CARBON DIO	44	22.4	55.5	295	24.21	1847732	165	46521.81	84567.19	11428.00	15080	7533.57	18962	100	18962

* ppmv is corrected for helium blank background peak area

Definitions.

Molar Volume
The volume of 1 mole of any gas at standard temperature and pressure(STP)
 Water g/Moles
1 Liter of water is equal to 55.5g-moles
 Temp-kelvin
Is defined as 273 + degrees C
 Corrected Gas Density
Gas density corrected for temperature is equal to (molar volume) x (temp-k/273)
 Headspace conc(ug/l)
Is equal to (ppmv reading) x (mw/corrected gas density)
 Water Concentration(ug/l)
Is equal to headspace conc(ug/l) x headspace vol/sample vol
 Saturation Concentration(ug/l)
Gas which remains at equilibrium in the sample is equal to (headspace conc-ppm) x (mw) x (55.5)/(Henry's Constant)

temp-c	Henry's Constants										
	20	21	22	23	24	25	26	27	28	29	30
Methane	37600	38340	39080	39820	40560	41300	42020	42740	43460	44180	44900
Ethane	26300	27080	27860	28640	29420	30200	31000	31800	32600	33400	34200
Ethene	10200	10440	10680	10920	11160	11400	11660	11920	12180	12440	12700
Oxygen	40100	40840	41580	42320	43060	43800	44540	45280	46020	46760	47500
CO	52600	53680	54760	55840	56920	58000	58800	59600	60400	61200	62000
CO2	14200	14640	15080	15520	15960	16400	16840	17280	17720	18160	18600
Nitrogen	80400	81620	82840	84060	85280	86500	87680	88860	90040	91220	92400
Hydrogen	68300	68780	69260	69740	70220	70700	71140	71580	72020	72460	72900

**Manual Integrations
APPROVED
(compounds with "m" flag)**
Jessica Reitan-Chu
05/17/06 17:26

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\II31372.D\FID1A.CH Vial: 15
 Signal #2 : C:\HPCHEM\1\DATA\II31372.D\TCD2B.CH
 Acq On : 11 May 2006 12:21 pm Operator: HUASHENG
 Sample : J29485-4 Inst : GCII
 Misc : GC24519,GII1588,,,,,1 Multiplr: 1.00
 IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
 Quant Time: May 11 13:00 2006 Quant Results File: MII1454.RES

Quant Method : C:\HPCHEM\1\METHODS\MII1454.M (RTE Integrator)
 Title : 8015 DISSOLVED GASES BY GC FID/TCD CARBOXEN1006
 Last Update : Fri May 05 11:10:10 2006
 Response via : Initial Calibration
 DataAcq Meth : GASES2.M

Volume Inj. : 500 uL.
 Signal #1 Phase : CARBOXEN 1006 Signal #2 Phase: CARBOXEN 1006
 Signal #1 Info : PLOT COLUMN 30 M Signal #2 Info : PLOT COLUMN 30 M. x .53 mm. I.D.

Compound	R.T.	Response	Conc Units
<hr/>			
Target Compounds			
1) METHANE	2.17	481	1.009 ppmv
7) CARBON DIOXIDE	3.25	1837719	46273.836 ppmv m

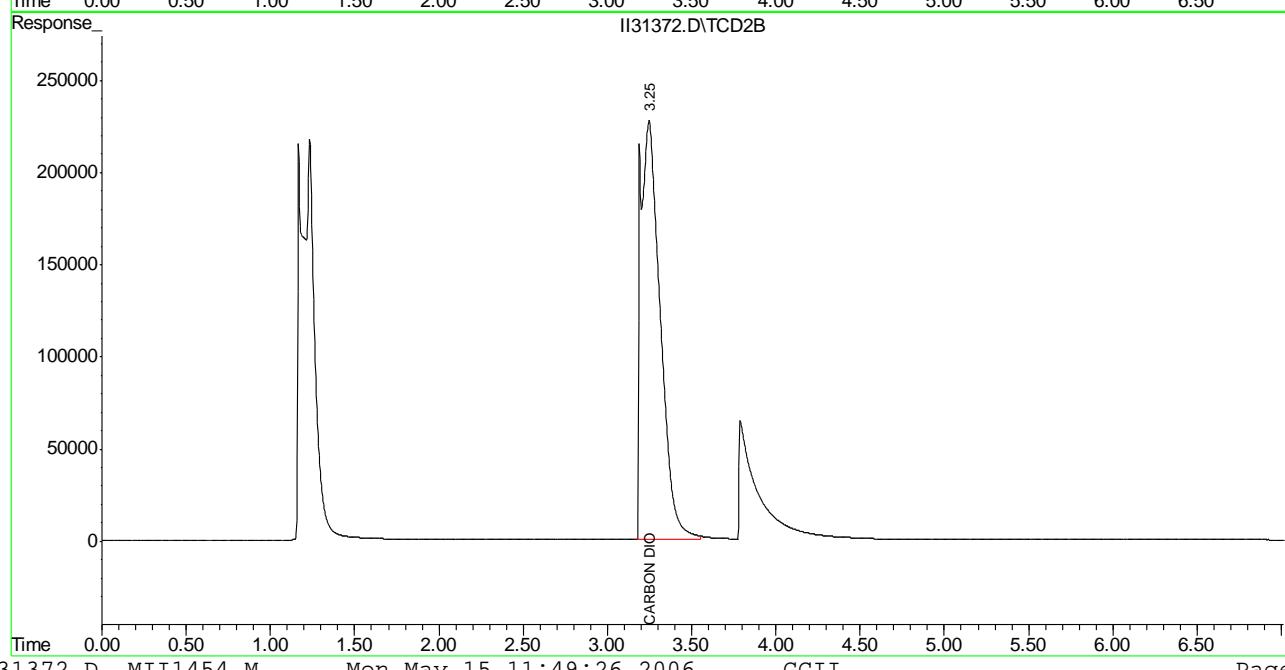
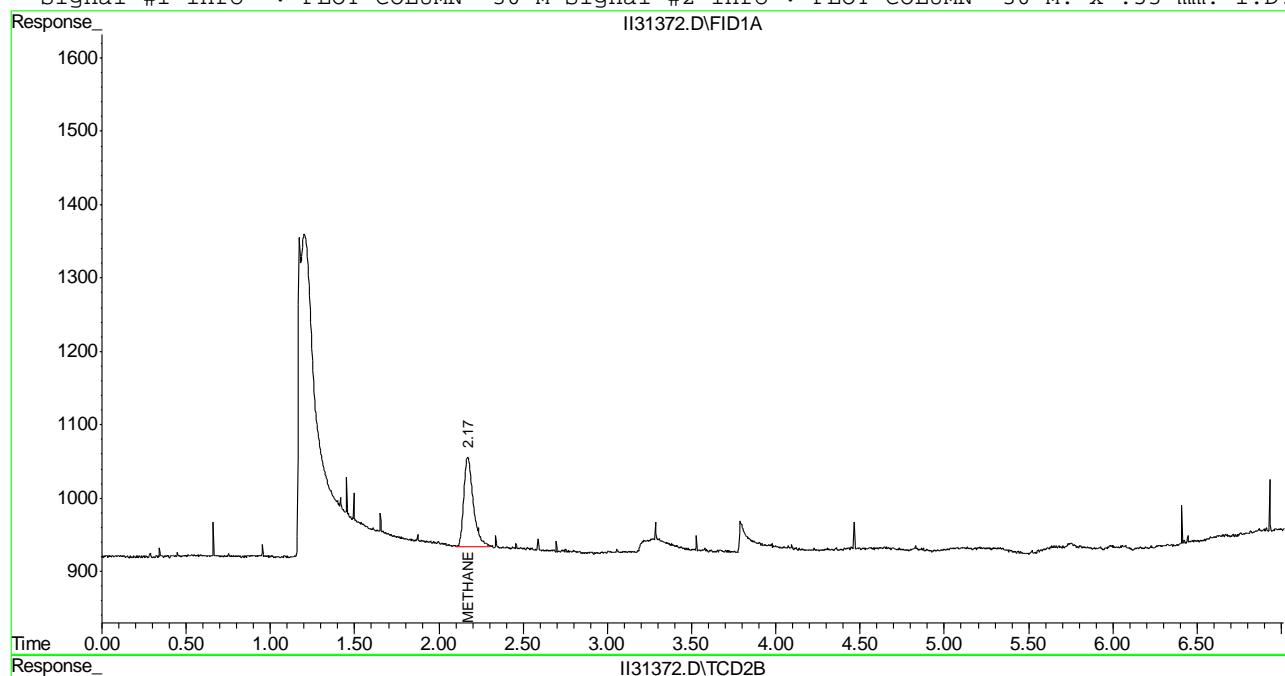
 (f)=RT Delta > 1/2 Window (m)=manual int.
 II31372.D MII1454.M Mon May 15 11:49:26 2006 GCII

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\II31372.D\FID1A.CH Vial: 15
 Signal #2 : C:\HPCHEM\1\DATA\II31372.D\TCD2B.CH
 Acq On : 11 May 2006 12:21 pm Operator: HUASHENG
 Sample : J29485-4 Inst : GCII
 Misc : GC24519,GII1588,,,,1 Multiplr: 1.00
 IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
 Quant Time: May 11 13:00 2006 Quant Results File: MII1454.RES

Quant Method : C:\HPCHEM\1\METHODS\MII1454.M (RTE Integrator)
 Title : 8015 DISSOLVED GASES BY GC FID/TCD CARBOXEN1006
 Last Update : Fri May 05 11:10:10 2006
 Response via : Multiple Level Calibration
 DataAcq Meth : GASES2.M

Volume Inj. : 500 uL.
 Signal #1 Phase : CARBOXEN 1006 Signal #2 Phase: CARBOXEN 1006
 Signal #1 Info : PLOT COLUMN 30 M Signal #2 Info : PLOT COLUMN 30 M. x .53 mm. I.D.



Dissolved Gas Calculation Worksheet

Data File Name **II31372.D**
 Date Acquired **5/11/2006 12:21**
 Sample Name **J29485-4**
 Sample Multiplier **1**
 Temperature(C) **22**
 Headspace Vol. (cc) **5**
 Sample Vol(cc) **37**

Compound	MW	Molar Volume(L)	Water g-moles/L	Temp K	Corrected Gas dens.	Peak Area	Helium Blank	Headspace (ppmv)*	Headspace (ug/l)	Water (ug/l)	Henry's Constant	Saturation Conc.(ug/l)	Total (ug/L)	MDL (ug/l)	Report (ug/l)
METHANE	16	22.4	55.5	295	24.21	481	185	0.62	0.41	0.06	39080	0.014	0.07	0.10	ND
ETHANE	30	22.4	55.5	295	24.21	0	0	0.00	0.00	0.00	27860	0.000	0.000	0.014	ND
ETHYLENE	28	22.4	55.5	295	24.21	0	0	0.00	0.00	0.00	10680	0.000	0.000	0.014	ND
CARBON DIO	44	22.4	55.5	295	24.21	1837719	165	46269.68	84108.87	11366.06	15080	7492.74	18859	100	18859

* ppmv is corrected for helium blank background peak area

Definitions.

Molar Volume
The volume of 1 mole of any gas at standard temperature and pressure(STP)
 Water g/Moles
1 Liter of water is equal to 55.5g-moles
 Temp-kelvin
Is defined as 273 + degrees C
 Corrected Gas Density
Gas density corrected for temperature is equal to (molar volume) x (temp-k/273)
 Headspace conc(ug/l)
Is equal to (ppmv reading) x (mw/corrected gas density)
 Water Concentration(ug/l)
Is equal to headspace conc(ug/l) x headspace vol/sample vol
 Saturation Concentration(ug/l)
Gas which remains at equilibrium in the sample is equal to (headspace conc-ppm) x (mw) x (55.5)/(Henry's Constant)

temp-c	Henry's Constants										
	20	21	22	23	24	25	26	27	28	29	30
Methane	37600	38340	39080	39820	40560	41300	42020	42740	43460	44180	44900
Ethane	26300	27080	27860	28640	29420	30200	31000	31800	32600	33400	34200
Ethene	10200	10440	10680	10920	11160	11400	11660	11920	12180	12440	12700
Oxygen	40100	40840	41580	42320	43060	43800	44540	45280	46020	46760	47500
CO	52600	53680	54760	55840	56920	58000	58800	59600	60400	61200	62000
CO2	14200	14640	15080	15520	15960	16400	16840	17280	17720	18160	18600
Nitrogen	80400	81620	82840	84060	85280	86500	87680	88860	90040	91220	92400
Hydrogen	68300	68780	69260	69740	70220	70700	71140	71580	72020	72460	72900

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\II31361.D\FID1A.CH Vial: 4
 Signal #2 : C:\HPCHEM\1\DATA\II31361.D\TCD2B.CH
 Acq On : 11 May 2006 9:44 am Operator: HUASHENG
 Sample : MB Inst : GCII
 Misc : GC24506,GII1588,,,,1 Multiplr: 1.00
 IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
 Quant Time: May 11 9:51 2006 Quant Results File: MII1454.RES

Quant Method : C:\HPCHEM\1\METHODS\MII1454.M (RTE Integrator)
 Title : 8015 DISSOLVED GASES BY GC FID/TCD CARBOXEN1006
 Last Update : Fri May 05 11:10:10 2006
 Response via : Initial Calibration
 DataAcq Meth : GASES2.M

Volume Inj. : 500 uL.
 Signal #1 Phase : CARBOXEN 1006 Signal #2 Phase: CARBOXEN 1006
 Signal #1 Info : PLOT COLUMN 30 M Signal #2 Info : PLOT COLUMN 30 M. x .53 mm. I.D.

Compound	R.T.	Response	Conc Units
<hr/>			
Target Compounds			
1) METHANE	2.17	259	0.543 ppmv
7) CARBON DIOXIDE	3.36	1026	25.835 ppmv

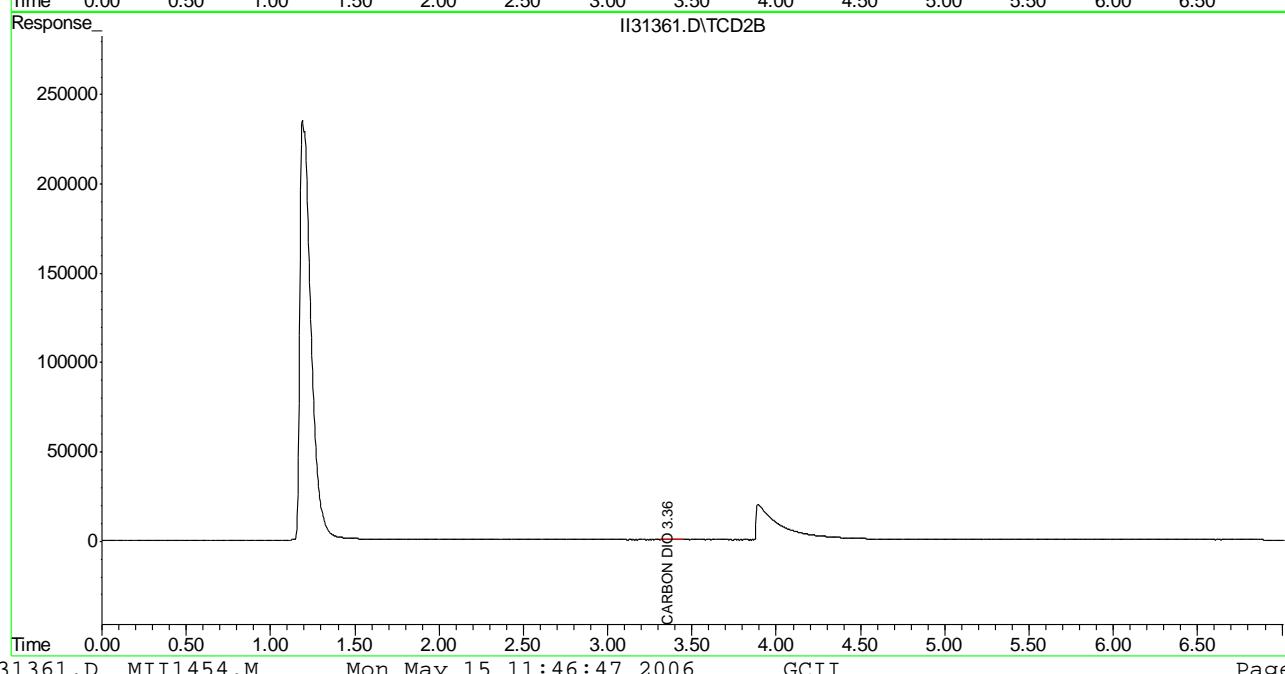
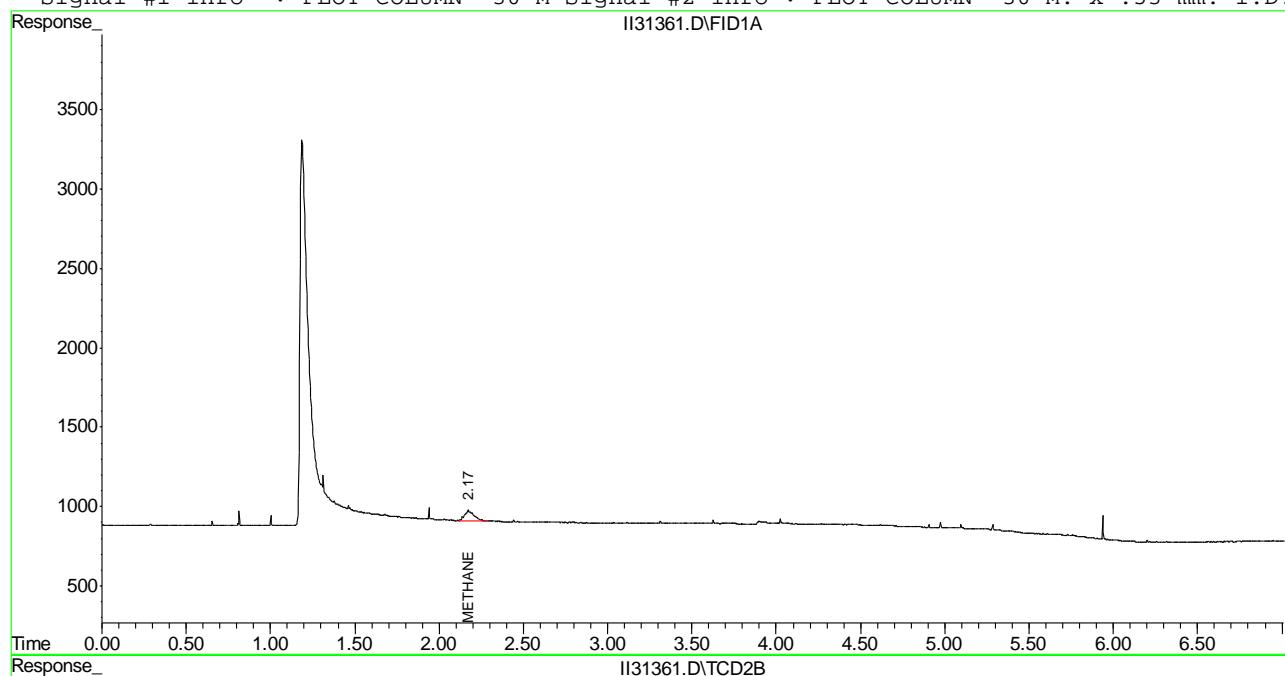
 (f)=RT Delta > 1/2 Window (m)=manual int.
 II31361.D MII1454.M Mon May 15 11:46:47 2006 GCII

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\II31361.D\FID1A.CH Vial: 4
 Signal #2 : C:\HPCHEM\1\DATA\II31361.D\TCD2B.CH
 Acq On : 11 May 2006 9:44 am Operator: HUASHENG
 Sample : MB Inst : GCII
 Misc : GC24506,GII1588,,,,1 Multiplr: 1.00
 IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
 Quant Time: May 11 9:51 2006 Quant Results File: MII1454.RES

Quant Method : C:\HPCHEM\1\METHODS\MII1454.M (RTE Integrator)
 Title : 8015 DISSOLVED GASES BY GC FID/TCD CARBOXEN1006
 Last Update : Fri May 05 11:10:10 2006
 Response via : Multiple Level Calibration
 DataAcq Meth : GASES2.M

Volume Inj. : 500 uL.
 Signal #1 Phase : CARBOXEN 1006 Signal #2 Phase: CARBOXEN 1006
 Signal #1 Info : PLOT COLUMN 30 M Signal #2 Info : PLOT COLUMN 30 M. x .53 mm. I.D.



Dissolved Gas Calculation Worksheet

Data File Name **II31361.D**
 Date Acquired **5/11/2006 9:44**
 Sample Name **MB**
 Sample Multiplier **1**
 Temperature(C) **22**
 Headspace Vol. (cc) **5**
 Sample Vol(cc) **37**

Compound	MW	Molar Volume(L)	Water g-moles/L	Temp K	Corrected Gas dens.	Peak Area	Helium Blank	Headspace (ppmv)*	Headspace (ug/l)	Water (ug/l)	Henry's Constant	Saturation Conc.(ug/l)	Total (ug/L)	MDL (ug/l)	Report (ug/l)
METHANE	16	22.4	55.5	295	24.21	259	185	0.16	0.10	0.01	39080	0.004	0.02	0.10	ND
ETHANE	30	22.4	55.5	295	24.21	0	0	0.00	0.00	0.00	27860	0.000	0.000	0.014	ND
ETHYLENE	28	22.4	55.5	295	24.21	0	0	0.00	0.00	0.00	10680	0.000	0.000	0.014	ND
CARBON DIO	44	22.4	55.5	295	24.21	1026	165	21.68	39.41	5.33	15080	3.51	9	100	ND

* ppmv is corrected for helium blank background peak area

Definitions.

Molar Volume
 The volume of 1 mole of any gas at standard temperature and pressure(STP)
 Water g/Moles
 1 Liter of water is equal to 55.5g-moles
 Temp-kelvin
 Is defined as 273 + degrees C
 Corrected Gas Density
 Gas density corrected for temperature is equal to (molar volume) x (temp-k/273)
 Headspace conc(ug/l)
 Is equal to (ppmv reading) x (mw/corrected gas density)
 Water Concentration(ug/l)
 Is equal to headspace conc(ug/l) x headspace vol/sample vol
 Saturation Concentration(ug/l)
 Gas which remains at equilibrium in the sample is equal to (headspace conc-ppm) x (mw) x (55.5)/(Henry's Constant)

temp-c	Henry's Constants										
	20	21	22	23	24	25	26	27	28	29	30
Methane	37600	38340	39080	39820	40560	41300	42020	42740	43460	44180	44900
Ethane	26300	27080	27860	28640	29420	30200	31000	31800	32600	33400	34200
Ethene	10200	10440	10680	10920	11160	11400	11660	11920	12180	12440	12700
Oxygen	40100	40840	41580	42320	43060	43800	44540	45280	46020	46760	47500
CO	52600	53680	54760	55840	56920	58000	58800	59600	60400	61200	62000
CO2	14200	14640	15080	15520	15960	16400	16840	17280	17720	18160	18600
Nitrogen	80400	81620	82840	84060	85280	86500	87680	88860	90040	91220	92400
Hydrogen	68300	68780	69260	69740	70220	70700	71140	71580	72020	72460	72900



IT'S ALL IN THE CHEMISTRY

Metals Analysis

QC Data Summaries

7

Includes the following where applicable:

- Instrument Runlogs
- Initial and Continuing Calibration Blanks
- Initial and Continuing Calibration Checks
- High and Low Check Standards
- Interfering Element Check Standards
- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries

Accutest Laboratories Instrument Run Log
Inorganics Analyses

Login Number: J29485
Account: ENSRNJ - ENSR Consulting & Engineering
Project: Ingersoll Rand, Phillipsburg, NJ

File ID: IT0519M1.DAT
Analyst: ND
Parameters: Fe

Date Analyzed: 05/19/06
Run ID: MA17527

Methods: EPA 200.7, SW846 6010B

Time	Sample Description	Dilution Factor	PS Recov	Comments
11:02	MA17527-STD1	1		STDA
11:09	MA17527-STD2	1		STDB
11:15	MA17527-STD3	1		STDC
11:21	MA17527-STD4	1		STDD
11:27	MA17527-STD5	1		STDE
11:33	MA17527-STD6	1		STD2
11:39	MA17527-STD7	1		STD3
11:45	MA17527-STD8	1		STDf
11:51	MA17527-STD9	1		STDG
12:03	MA17527-HSTD1	1		
12:21	MA17527-CRIB1	1		
12:27	MA17527-CRIB2	1		
12:33	MA17527-ICV1	1		
12:39	MA17527-ICB1	1		
12:45	MA17527-CCV1	1		
12:51	MA17527-CCB1	1		
12:57	MA17527-ICSA1	1		
13:03	MA17527-ICSAB1	1		
13:12	MA17527-CCV2	1		
13:18	MA17527-CCB2	1		
13:26	ZZZZZZ	1		
13:32	ZZZZZZ	1		
13:38	ZZZZZZ	1		
13:44	ZZZZZZ	1		
13:50	ZZZZZZ	1		
13:56	ZZZZZZ	1		
14:02	MA17527-CCV3	1		
14:09	MA17527-CCB3	1		
14:15	MP34461-MB1	1		
14:21	MP34461-B1	1		
14:26	MP34461-S1	1		
14:32	MP34461-S2	1		
14:38	J29558-10R	1		(sample used for QC only; not part of login J29485)

Accutest Laboratories Instrument Run Log
Inorganics Analyses

Login Number: J29485
Account: ENSRNJ - ENSR Consulting & Engineering
Project: Ingersoll Rand, Phillipsburg, NJ

File ID: IT0519M1.DAT
Analyst: ND
Parameters: Fe

Date Analyzed: 05/19/06
Run ID: MA17527

Methods: EPA 200.7, SW846 6010B

Time	Sample Description	Dilution Factor	PS Recov	Comments
14: 48	J29485-2	1		
14: 54	J29485-3	1		
15: 00	J29485-4	1		
15: 06	ZZZZZ	1		
15: 12	ZZZZZ	1		
15: 17	MA17527-CCV4	1		
15: 24	MA17527-CCB4	1		
15: 31	ZZZZZ	1		
15: 37	ZZZZZ	1		
15: 43	ZZZZZ	1		
15: 49	ZZZZZ	1		
15: 55	MP34456-MB1	1		
15: 59	MP34456-LC1	1		
16: 11	ZZZZZ	5		
16: 22	ZZZZZ	1		
16: 27	J29485-1	1		
16: 33	MA17527-CCV5	1		
16: 39	MA17527-CCB5	1		
16: 52	J29776-4	1		(sample used for QC only; not part of login J29485)
16: 58	ZZZZZ	1		
17: 04	ZZZZZ	1		
17: 12	MP34456-S1	1		
17: 18	MP34456-S2	1		
17: 24	MP34456-SD1	5		
----->	Last reportable sample/prep for job J29485			
17: 30	MP34455-S1	1		
17: 36	MP34455-S2	1		
17: 42	MP34455-SD1	5		
17: 48	MA17527-CCV6	1		
17: 54	MA17527-CCB6	1		
18: 07	MP34462-MB1	1		
18: 13	MP34461-SD1	5		
18: 19	ZZZZZ	1		
18: 25	ZZZZZ	1		

Accutest Laboratories Instrument Run Log
Inorganics Analyses

Login Number: J29485
Account: ENSRNJ - ENSR Consulting & Engineering
Project: Ingersoll Rand, Phillipsburg, NJ

File ID: IT0519M1.DAT
Analyst: ND
Parameters: Fe

Date Analyzed: 05/19/06
Run ID: MA17527

Methods: EPA 200.7, SW846 6010B

Time	Sample Description	Dilution Factor	PS Recov	Comments
18: 33	ZZZZZZ	1		
18: 39	ZZZZZZ	1		
18: 45	ZZZZZZ	1		
18: 51	ZZZZZZ	1		
18: 57	ZZZZZZ	1		
19: 04	MA17527-CCV7	1		
19: 10	MA17527-CCB7	1		
19: 16	ZZZZZZ	1		
19: 22	ZZZZZZ	1		
19: 28	ZZZZZZ	1		
19: 34	ZZZZZZ	1		
19: 47	ZZZZZZ	1		
20: 00	MA17527-CRB3	1		
20: 06	MA17527-ICSA2	1		
20: 12	MA17527-ICSAB2	1		
20: 22	MP34467-MB1	1		
20: 28	MA17527-CCV8	1		
20: 34	MA17527-CCB8	1		
-----> Last reportable CCB for job J29485				
20: 43	ZZZZZZ	1		
20: 49	ZZZZZZ	1		
20: 55	ZZZZZZ	1		
21: 01	ZZZZZZ	1		
21: 07	ZZZZZZ	1		
21: 13	ZZZZZZ	1		
21: 19	ZZZZZZ	1		
21: 25	ZZZZZZ	1		
21: 31	ZZZZZZ	1		
21: 38	MA17527-CCV9	1		
21: 44	MA17527-CCB9	1		
21: 50	ZZZZZZ	3		
21: 56	ZZZZZZ	10		
22: 04	MP34462-B1	1		
22: 10	MP34462-S1	1		

Accutest Laboratories Instrument Run Log
Inorganics Analyses

Login Number: J29485
Account: ENSRNJ - ENSR Consulting & Engineering
Project: Ingersoll Rand, Phillipsburg, NJ

File ID: IT0519M1.DAT
Analyst: ND
Parameters: Fe

Date Analyzed: 05/19/06

Run ID: MA17527

Methods: EPA 200.7, SW846 6010B

Time	Sample Description	Dilution Factor	PS Recov	Comments
22: 16	MP34462-S2	1		To redigestion, spiking problems?
22: 22	J29578-6R	1		(sample used for QC only; not part of login J29485)
22: 28	MP34462-SD1	5		
22: 34	ZZZZZZ	1		
22: 40	ZZZZZZ	1		
22: 46	ZZZZZZ	1		
22: 52	MA17527-CCV10	1		
22: 58	MA17527-CCB10	1		
23: 04	ZZZZZZ	1		
23: 10	ZZZZZZ	1		
23: 16	ZZZZZZ	1		
23: 22	ZZZZZZ	1		
23: 28	ZZZZZZ	1		
23: 34	ZZZZZZ	1		
23: 40	ZZZZZZ	1		
23: 46	ZZZZZZ	1		
23: 52	ZZZZZZ	1		
23: 58	ZZZZZZ	1		
00: 05	MA17527-CCV11	1		
00: 11	MA17527-CCB11	1		
00: 17	ZZZZZZ	1		
00: 23	ZZZZZZ	1		
00: 29	ZZZZZZ	1		
00: 35	ZZZZZZ	1		
00: 41	ZZZZZZ	1		
00: 47	ZZZZZZ	1		
00: 56	MP34453-MB1	1		Batch to rerun for PB. MB out.
01: 02	MP34453-LC1	1		
01: 08	MP34453-S1	1		
01: 14	MP34453-S2	1		
01: 20	MA17527-CCV12	1		
01: 27	MA17527-CCB12	1		
01: 33	J30582-1	1		(sample used for QC only; not part of login J29485)

Accutest Laboratories Instrument Run Log
Inorganics Analyses

Login Number: J29485
Account: ENSRNJ - ENSR Consulting & Engineering
Project: Ingersoll Rand, Phillipsburg, NJ

File ID: IT0519M1.DAT
Analyst: ND
Parameters: Fe

Date Analyzed: 05/19/06
Run ID: MA17527

Methods: EPA 200.7, SW846 6010B

Time	Sample Description	Dilution Factor	PS Recov	Comments
01: 39	MP34453-SD1	5		
01: 45	ZZZZZZ	1		
01: 51	ZZZZZZ	1		
01: 57	ZZZZZZ	1		
02: 03	ZZZZZZ	1		
02: 09	ZZZZZZ	1		
02: 15	ZZZZZZ	1		
02: 21	ZZZZZZ	1		
02: 27	ZZZZZZ	1		
02: 33	MA17527-CCV13	1		
02: 39	MA17527-CCB13	1		
02: 45	MA17527-CRIB4	1		
02: 51	MA17527-ICSA3	1		
02: 57	MA17527-ICSAB3	1		
03: 03	MA17527-CCV14	1		
03: 09	MA17527-CCB14	1		
03: 15	ZZZZZZ	1		
03: 21	ZZZZZZ	1		
03: 27	ZZZZZZ	1		
03: 33	ZZZZZZ	1		
03: 40	ZZZZZZ	1		
03: 46	ZZZZZZ	1		
03: 52	ZZZZZZ	1		
03: 58	ZZZZZZ	1		
04: 04	ZZZZZZ	1		
04: 10	ZZZZZZ	1		
04: 16	MA17527-CCV15	1		
04: 22	MA17527-CCB15	1		
04: 28	ZZZZZZ	1		
04: 37	MP34467-LC1	1		
04: 43	MP34467-S1	1		
04: 49	MP34467-S2	1		
04: 55	J29929-4	1		(sample used for QC only; not part of login J29485)

Accutest Laboratories Instrument Run Log
Inorganics Analyses

Login Number: J29485
Account: ENSRNJ - ENSR Consulting & Engineering
Project: Ingersoll Rand, Phillipsburg, NJ

File ID: IT0519M1.DAT
Analyst: ND
Parameters: Fe

Date Analyzed: 05/19/06
Run ID: MA17527

Methods: EPA 200.7, SW846 6010B

Time	Sample Description	Dilution Factor	PS Recov	Comments
05: 01	MP34467-SD1	5		
05: 07	ZZZZZ	1		
05: 13	ZZZZZ	1		
05: 20	ZZZZZ	1		
05: 26	ZZZZZ	1		
05: 32	MA17527-CCV16	1		
05: 38	MA17527-CCB16	1		
05: 44	ZZZZZ	1		
05: 50	ZZZZZ	1		
05: 56	ZZZZZ	1		
06: 02	ZZZZZ	1		
06: 08	ZZZZZ	1		
06: 14	ZZZZZ	1		
06: 20	ZZZZZ	1		
06: 26	ZZZZZ	1		
06: 32	ZZZZZ	1		
06: 38	ZZZZZ	1		
06: 44	MA17527-CCV17	1		
06: 50	MA17527-CCB17	1		
06: 56	ZZZZZ	1		
07: 02	ZZZZZ	1		
07: 08	ZZZZZ	1		
07: 14	ZZZZZ	1		
07: 21	MA17527-CCV18	1		
07: 27	MA17527-CCB18	1		
07: 33	MA17527-CRIB5	1		
07: 39	MA17527-ICSA4	1		
07: 45	MA17527-ICSAB4	1		
07: 51	MA17527-CCV19	1		
07: 57	MA17527-CCB19	1		

Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: J29485
 Account: ENSRNJ - ENSR Consulting & Engineering
 Project: Ingersoll Rand, Phillipsburg, NJ

File ID: IT0519M1.DAT
 Analyst: ND
 Parameters: Fe

Date Analyzed: 05/19/06
 Run ID: MA17527
 Methods: EPA 200.7, SW846 6010B

Time	Sample Description	Istd#1
11: 02	MA17527-STD1	37323 R
11: 09	MA17527-STD2	37209
11: 15	MA17527-STD3	37469
11: 21	MA17527-STD4	36841
11: 27	MA17527-STD5	36670
11: 33	MA17527-STD6	36401
11: 39	MA17527-STD7	36437
11: 45	MA17527-STD8	33799
11: 51	MA17527-STD9	32385
12: 03	MA17527-HSTD1	36252
12: 21	MA17527-CRI B1	36622
12: 27	MA17527-CRI B2	37096
12: 33	MA17527-ICV1	36484
12: 39	MA17527-ICB1	37282
12: 45	MA17527-CCV1	36736
12: 51	MA17527-CCB1	36341
12: 57	MA17527-ICSA1	33534
13: 03	MA17527-ICSAB1	33728
13: 12	MA17527-CCV2	36216
13: 18	MA17527-CCB2	36123
13: 26	ZZZZZZ	37204
13: 32	ZZZZZZ	36376
13: 38	ZZZZZZ	36831
13: 44	ZZZZZZ	36171
13: 50	ZZZZZZ	33189
13: 56	ZZZZZZ	35670
14: 02	MA17527-CCV3	36910
14: 09	MA17527-CCB3	36640
14: 15	MP34461-MB1	37241
14: 21	MP34461-B1	36171
14: 26	MP34461-S1	39875
14: 32	MP34461-S2	39350
14: 38	J29558-10R	40216

INTERNAL STANDARD SUMMARY

Login Number: J29485
 Account: ENSRNJ - ENSR Consulting & Engineering
 Project: Ingersoll Rand, Phillipsburg, NJ

File ID: IT0519M1.DAT
 Analyst: ND
 Parameters: Fe

Date Analyzed: 05/19/06
 Run ID: MA17527
 Methods: EPA 200.7, SW846 6010B

Time	Sample Description	Istd#1
14: 48	J29485-2	34633
14: 54	J29485-3	35331
15: 00	J29485-4	34538
15: 06	ZZZZZ	34755
15: 12	ZZZZZ	34581
15: 17	MA17527-CCV4	36863
15: 24	MA17527-CCB4	36530
15: 31	ZZZZZ	35847
15: 37	ZZZZZ	35610
15: 43	ZZZZZ	35813
15: 49	ZZZZZ	35312
15: 55	MP34456-MB1	37116
15: 59	MP34456-LC1	36764
16: 11	ZZZZZ	41217
16: 22	ZZZZZ	36279
16: 27	J29485-1	36275
16: 33	MA17527-CCV5	36717
16: 39	MA17527-CCB5	37193
16: 52	J29776-4	33149
16: 58	ZZZZZ	37052
17: 04	ZZZZZ	36517
17: 12	MP34456-S1	36021
17: 18	MP34456-S2	36740
17: 24	MP34456-SD1	37240
17: 30	MP34455-S1	33004
17: 36	MP34455-S2	32547
17: 42	MP34455-SD1	35830
17: 48	MA17527-CCV6	37414
17: 54	MA17527-CCB6	37372
18: 07	MP34462-MB1	37519
18: 13	MP34461-SD1	38333
18: 19	ZZZZZ	40173
18: 25	ZZZZZ	41361

INTERNAL STANDARD SUMMARY

Login Number: J29485
 Account: ENSRNJ - ENSR Consulting & Engineering
 Project: Ingersoll Rand, Phillipsburg, NJ

File ID: IT0519M1.DAT
 Analyst: ND
 Parameters: Fe

Date Analyzed: 05/19/06
 Run ID: MA17527
 Methods: EPA 200.7, SW846 6010B

Time	Sample Description	Istd#1
18: 33	ZZZZZ	40416
18: 39	ZZZZZ	40406
18: 45	ZZZZZ	40444
18: 51	ZZZZZ	40088
18: 57	ZZZZZ	36108
19: 04	MA17527-CCV7	37397
19: 10	MA17527-CCB7	37486
19: 16	ZZZZZ	40042
19: 22	ZZZZZ	42607
19: 28	ZZZZZ	39086
19: 34	ZZZZZ	41128
19: 47	ZZZZZ	33463
20: 00	MA17527-CRIB3	37207
20: 06	MA17527-ICSA2	34677
20: 12	MA17527-ICSAB2	34523
20: 22	MP34467-MB1	37301
20: 28	MA17527-CCV8	37407
20: 34	MA17527-CCB8	37132
20: 43	ZZZZZ	39250
20: 49	ZZZZZ	39488
20: 55	ZZZZZ	41392
21: 01	ZZZZZ	38858
21: 07	ZZZZZ	40620
21: 13	ZZZZZ	40220
21: 19	ZZZZZ	40052
21: 25	ZZZZZ	39865
21: 31	ZZZZZ	40736
21: 38	MA17527-CCV9	36337
21: 44	MA17527-CCB9	36463
21: 50	ZZZZZ	36348
21: 56	ZZZZZ	36458
22: 04	MP34462-B1	36575
22: 10	MP34462-S1	39819

INTERNAL STANDARD SUMMARY

Login Number: J29485
 Account: ENSRNJ - ENSR Consulting & Engineering
 Project: Ingersoll Rand, Phillipsburg, NJ

File ID: IT0519M1.DAT
 Analyst: ND
 Parameters: Fe

Date Analyzed: 05/19/06
 Run ID: MA17527
 Methods: EPA 200.7, SW846 6010B

Time	Sample Description	I std#1
22: 16	MP34462-S2	38592
22: 22	J29578-6R	40645
22: 28	MP34462-SD1	37363
22: 34	ZZZZZZ	39493
22: 40	ZZZZZZ	40750
22: 46	ZZZZZZ	38905
22: 52	MA17527-CCV10	37411
22: 58	MA17527-CCB10	37230
23: 04	ZZZZZZ	39181
23: 10	ZZZZZZ	39881
23: 16	ZZZZZZ	40273
23: 22	ZZZZZZ	40154
23: 28	ZZZZZZ	40208
23: 34	ZZZZZZ	40426
23: 40	ZZZZZZ	39779
23: 46	ZZZZZZ	39748
23: 52	ZZZZZZ	40128
23: 58	ZZZZZZ	40017
00: 05	MA17527-CCV11	36935
00: 11	MA17527-CCB11	37143
00: 17	ZZZZZZ	40943
00: 23	ZZZZZZ	39388
00: 29	ZZZZZZ	40076
00: 35	ZZZZZZ	39267
00: 41	ZZZZZZ	40388
00: 47	ZZZZZZ	39001
00: 56	MP34453-MB1	36884
01: 02	MP34453-LC1	36426
01: 08	MP34453-S1	35765
01: 14	MP34453-S2	35207
01: 20	MA17527-CCV12	37239
01: 27	MA17527-CCB12	36723
01: 33	J30582-1	35860

INTERNAL STANDARD SUMMARY

Login Number: J29485
 Account: ENSRNJ - ENSR Consulting & Engineering
 Project: Ingersoll Rand, Phillipsburg, NJ

File ID: IT0519M1.DAT
 Analyst: ND
 Parameters: Fe

Date Analyzed: 05/19/06
 Run ID: MA17527
 Methods: EPA 200.7, SW846 6010B

Time	Sample Description	Istd#1
01: 39	MP34453-SD1	37264
01: 45	ZZZZZ	35949
01: 51	ZZZZZ	36057
01: 57	ZZZZZ	35880
02: 03	ZZZZZ	37305
02: 09	ZZZZZ	35532
02: 15	ZZZZZ	35682
02: 21	ZZZZZ	36738
02: 27	ZZZZZ	35648
02: 33	MA17527-CCV13	37375
02: 39	MA17527-CCB13	36686
02: 45	MA17527-CRIB4	36595
02: 51	MA17527-ICSA3	33918
02: 57	MA17527-ICSAB3	34332
03: 03	MA17527-CCV14	36869
03: 09	MA17527-CCB14	36944
03: 15	ZZZZZ	36253
03: 21	ZZZZZ	35872
03: 27	ZZZZZ	35826
03: 33	ZZZZZ	36213
03: 40	ZZZZZ	35472
03: 46	ZZZZZ	36738
03: 52	ZZZZZ	35409
03: 58	ZZZZZ	36228
04: 04	ZZZZZ	36017
04: 10	ZZZZZ	35754
04: 16	MA17527-CCV15	36969
04: 22	MA17527-CCB15	36799
04: 28	ZZZZZ	37017
04: 37	MP34467-LC1	36060
04: 43	MP34467-S1	35376
04: 49	MP34467-S2	35438
04: 55	J29929-4	35893

INTERNAL STANDARD SUMMARY

Login Number: J29485
 Account: ENSRNJ - ENSR Consulting & Engineering
 Project: Ingersoll Rand, Phillipsburg, NJ

File ID: IT0519M1.DAT
 Analyst: ND
 Parameters: Fe

Date Analyzed: 05/19/06
 Run ID: MA17527
 Methods: EPA 200.7, SW846 6010B

Time	Sample Description	Istd#1
05: 01	MP34467-SD1	36884
05: 07	ZZZZZ	36335
05: 13	ZZZZZ	36661
05: 20	ZZZZZ	36454
05: 26	ZZZZZ	35211
05: 32	MA17527-CCV16	36567
05: 38	MA17527-CCB16	37031
05: 44	ZZZZZ	36585
05: 50	ZZZZZ	34759
05: 56	ZZZZZ	34462
06: 02	ZZZZZ	36281
06: 08	ZZZZZ	35708
06: 14	ZZZZZ	36037
06: 20	ZZZZZ	35614
06: 26	ZZZZZ	38926
06: 32	ZZZZZ	37176
06: 38	ZZZZZ	39569
06: 44	MA17527-CCV17	36536
06: 50	MA17527-CCB17	37158
06: 56	ZZZZZ	36510
07: 02	ZZZZZ	35027
07: 08	ZZZZZ	34961
07: 14	ZZZZZ	36394
07: 21	MA17527-CCV18	36978
07: 27	MA17527-CCB18	37035
07: 33	MA17527-CRI B5	37268
07: 39	MA17527-ICSA4	34128
07: 45	MA17527-ICSAB4	34506
07: 51	MA17527-CCV19	37278
07: 57	MA17527-CCB19	36860

R = Reference for ISTD limits. ! = Outside limits.

LEGEND:

Istd#	Parameter	Limits
Istd#1	Yttrium	60-125 %

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: J29485

Account: ENSRNJ - ENSR Consulting & Engineering
Project: Ingersoll Rand, Phillipsburg, NJ

File ID: IT0519M1.DAT
QC Limits: result < RL

Date Analyzed: 05/19/06
Run ID: MA17527

Methods: EPA 200.7, SW846 6010B
Units: ug/l

Metal	Sample ID:	Time: Sample ID:		12:39 ICB1		12:51 CCB1		13:18 CCB2		14:09 CCB3	
		RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum		200	17	anr							
Antimony		6.0	3.4	anr							
Arsenic		8.0	4.8	anr							
Barium		200	.8	anr							
Beryllium		1.0	.5	anr							
Cadmium		4.0	.8	anr							
Calcium		5000	54	anr							
Chromium		10	.8	anr							
Cobalt		50	.9	anr							
Copper		25	.8	anr							
Iron		100	26	-33	<100	-12	<100	16.5	<100	9.6	<100
Lead		3.0	2.9	anr							
Magnesium		5000	14	anr							
Manganese		15	1.2	anr							
Molybdenum		20	1.2								
Nickel		40	1.7	anr							
Palladium		50	1.6								
Potassium		5000	17	anr							
Selenium		10	3.5	anr							
Silicon		200	10								
Silver		10	.5	anr							
Sodium		5000	86	anr							
Thallium		10	5.9	anr							
Tin		10	3.3								
Vanadium		50	1.1	anr							
Zinc		20	6	anr							

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: J29485
Account: ENSRNJ - ENSR Consulting & Engineering
Project: Ingersoll Rand, Phillipsburg, NJ

File ID: IT0519M1.DAT
QC Limits: result < RL

Date Analyzed: 05/19/06
Run ID: MA17527

Methods: EPA 200.7, SW846 6010B
Units: ug/l

Metal	Time: Sample ID: RL	IDL	15: 24 CCB4		16: 39 CCB5		17: 54 CCB6		19: 10 CCB7	
			raw	final	raw	final	raw	final	raw	final
Aluminum	200	17	anr							
Antimony	6.0	3.4	anr							
Arsenic	8.0	4.8	anr							
Barium	200	.8	anr							
Beryllium	1.0	.5	anr							
Cadmium	4.0	.8	anr							
Calcium	5000	54	anr							
Chromium	10	.8	anr							
Cobalt	50	.9	anr							
Copper	25	.8	anr							
Iron	100	26	5.9	<100	-1.5	<100	5.7	<100	12.9	<100
Lead	3.0	2.9	anr							
Magnesium	5000	14	anr							
Manganese	15	1.2	anr							
Molybdenum	20	1.2								
Nickel	40	1.7	anr							
Palladium	50	1.6								
Potassium	5000	17	anr							
Selenium	10	3.5	anr							
Silicon	200	10								
Silver	10	.5	anr							
Sodium	5000	86	anr							
Thallium	10	5.9	anr							
Tin	10	3.3								
Vanadium	50	1.1	anr							
Zinc	20	6	anr							

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: J29485
Account: ENSRNJ - ENSR Consulting & Engineering
Project: Ingersoll Rand, Phillipsburg, NJ

File ID: IT0519M1.DAT
QC Limits: result < RL

Date Analyzed: 05/19/06
Run ID: MA17527

Methods: EPA 200.7, SW846 6010B
Units: ug/l

Metal	Sample ID:	Time: RL	20:34 CCB8		final
			raw	final	
Aluminum		200	17	anr	
Antimony		6.0	3.4	anr	
Arsenic		8.0	4.8	anr	
Barium		200	.8	anr	
Beryllium		1.0	.5	anr	
Cadmium		4.0	.8	anr	
Calcium		5000	54	anr	
Chromium		10	.8	anr	
Cobalt		50	.9	anr	
Copper		25	.8	anr	
Iron		100	26	-12	<100
Lead		3.0	2.9	anr	
Magnesium		5000	14	anr	
Manganese		15	1.2	anr	
Molybdenum		20	1.2		
Nickel		40	1.7	anr	
Palladium		50	1.6		
Potassium		5000	17	anr	
Selenium		10	3.5	anr	
Silicon		200	10		
Silver		10	.5	anr	
Sodium		5000	86	anr	
Thallium		10	5.9	anr	
Tin		10	3.3		
Vanadium		50	1.1	anr	
Zinc		20	6	anr	

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: J29485
Account: ENSRNJ - ENSR Consulting & Engineering
Project: Ingersoll Rand, Phillipsburg, NJ

File ID: IT0519M1.DAT Date Analyzed: 05/19/06 Methods: EPA 200.7, SW846 6010B
QC Limits: 95 to 105 % Recovery Run ID: MA17527 Units: ug/l

Metal	Time: Sample ID: Metal	ICV True	12: 33 ICV1 Results	CCV True	12: 45 CCV1 Results	CCV True	13: 12 CCV2 Results	13: 12 CCV2 Results
Al umi num	anr							
Antimony	anr							
Arsenic	anr							
Bari um	anr							
Beryllium	anr							
Cadmi um	anr							
Cal ci um	anr							
Chromi um	anr							
Cobal t	anr							
Copper	anr							
Iron	5000	5040	100. 8	40000	39600	99. 0	40000	39500
Lead	anr							
Magnesi um	anr							
Manganese	anr							
Mol ybdenum								
Ni ckel	anr							
Pall adium								
Potassium	anr							
Sel enium	anr							
Si li con								
Si lver	anr							
Sodi um	anr							
Thall i um	anr							
Tin								
Vanadi um	anr							
Zinc	anr							

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: J29485
Account: ENSRNJ - ENSR Consulting & Engineering
Project: Ingersoll Rand, Phillipsburg, NJ

File ID: IT0519M1.DAT Date Analyzed: 05/19/06 Methods: EPA 200.7, SW846 6010B
QC Limits: 95 to 105 % Recovery Run ID: MA17527 Units: ug/l

Time: Sample ID: Metal	CCV True	14: 02 CCV3 Results	% Rec	CCV True	15: 17 CCV4 Results	% Rec	CCV True	16: 33 CCV5 Results	% Rec
Al umi num	anr								
Antimony	anr								
Arsenic	anr								
Bari um	anr								
Beryllium	anr								
Cadmi um	anr								
Cal ci um	anr								
Chromi um	anr								
Cobal t	anr								
Copper	anr								
Iron	40000	39600	99.0	40000	39800	99.5	40000	39500	98.8
Lead	anr								
Magnesi um	anr								
Manganese	anr								
Mol ybdenum									
Ni ckel	anr								
Pall adium									
Potassium	anr								
Sel enium	anr								
Si li con									
Si lver	anr								
Sodi um	anr								
Thall i um	anr								
Tin									
Vanadi um	anr								
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: J29485
Account: ENSRNJ - ENSR Consulting & Engineering
Project: Ingersoll Rand, Phillipsburg, NJ

File ID: IT0519M1.DAT Date Analyzed: 05/19/06 Methods: EPA 200.7, SW846 6010B
QC Limits: 95 to 105 % Recovery Run ID: MA17527 Units: ug/l

Metal	Time: Sample ID: Metal	CCV True	17: 48 CCV6 Results	% Rec	CCV True	19: 04 CCV7 Results	% Rec	CCV True	20: 28 CCV8 Results	% Rec
Al umi num	anr									
Antimony	anr									
Arsenic	anr									
Bari um	anr									
Beryllium	anr									
Cadmium	anr									
Cal ci um	anr									
Chromi um	anr									
Cobal t	anr									
Copper	anr									
Iron	40000	39700	99.3		40000	39300	98.3	40000	39100	97.8
Lead	anr									
Magnesi um	anr									
Manganese	anr									
Mol ybdenum										
Ni ckel	anr									
Pall adium										
Potassium	anr									
Sel enium	anr									
Si li con										
Si lver	anr									
Sodi um	anr									
Thall i um	anr									
Tin										
Vanadi um	anr									
Zinc	anr									

(*) Outside of QC limits
(anr) Analyte not requested

HIGH STANDARD CHECK SUMMARY

Login Number: J29485

Account: ENSRNJ - ENSR Consulting & Engineering
Project: Ingersoll Rand, Phillipsburg, NJFile ID: IT0519M1.DAT
QC Limits: 95 to 105 % RecoveryDate Analyzed: 05/19/06
Run ID: MA17527Methods: EPA 200.7, SW846 6010B
Units: ug/l

Metal	Sample ID:	Time:	Method	Results	% Rec
	HSTD	12:03	HSTD1		
Aluminum		anr			
Antimony		anr			
Arsenic		anr			
Barium		anr			
Beryllium		anr			
Cadmium		anr			
Calcium		anr			
Chromium		anr			
Cobalt		anr			
Copper		anr			
Iron	80000	78000		97.5	
Lead		anr			
Magnesium		anr			
Manganese		anr			
Molybdenum					
Nickel		anr			
Palladium					
Potassium		anr			
Selenium		anr			
Silicon					
Silver		anr			
Sodium		anr			
Thallium		anr			
Tin					
Vanadium		anr			
Zinc		anr			

(*) Outside of QC limits
(anr) Analyte not requested

INITIAL LOW CALIBRATION CHECK STANDARD SUMMARY

Login Number: J29485
 Account: ENSRNJ - ENSR Consulting & Engineering
 Project: Ingersoll Rand, Phillipsburg, NJ

File ID: IT0519M1.DAT Date Analyzed: 05/19/06 Methods: EPA 200.7, SW846 6010B
 QC Limits: 50 to 150 % Recovery Run ID: MA17527 Units: ug/l

Metal	Time:	CRI B	12:21	CRI B1	12:27	CRI B2	20:00	CRI B3
		True	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	400							
Antimony	12							
Arsenic	16							
Barium	400							
Beryllium	2.0							
Cadmium	8.0							
Calcium	5000							
Chromium	20							
Cobalt	100							
Copper	50							
Iron	200	204	102.0				196	98.0
Lead	6.0							
Magnesium	5000							
Manganese	30							
Molybdenum	40							
Nickel	80							
Palladium	100							
Potassium	5000							
Selenium	20							
Silicon	400							
Silver	20							
Sodium	5000							
Thallium	20							
Tin	20							
Vanadium	100							
Zinc	40							

(*) Outside of QC limits
 (anr) Analyte not requested

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: J29485
 Account: ENSRNJ - ENSR Consulting & Engineering
 Project: Ingersoll Rand, Phillipsburg, NJ

File ID: IT0519M1.DAT Date Analyzed: 05/19/06 Methods: EPA 200.7, SW846 6010B
 QC Limits: 80 to 120 % Recovery Run ID: MA17527 Units: ug/l

Time: Sample ID: Metal	ICSA True	ICSB True	12: 57 ICSA1 Results	% Rec	13: 03 ICSB1 Results	% Rec	20: 06 ICSA2 Results	% Rec	20: 12 ICSB2 Results	% Rec
Al umi num	500000	500000	512000	102. 4	513000	102. 6	503000	100. 6	504000	100. 8
Antimony	1000	5. 9			1050	105. 0	11. 9		1010	101. 0
Arsenic	1000	4. 9			1020	102. 0	0. 042		985	98. 5
Bari um	500	1. 3			535	107. 0	0. 30		527	105. 4
Beryllium	500	-0. 54			491	98. 2	-1. 2		473	94. 6
Cadmium	1000	0. 12			1010	101. 0	-3. 5		969	96. 9
Cal ci um	500000	500000	507000	101. 4	513000	102. 6	499000	99. 8	495000	99. 0
Chromiu m	500	0. 95			475	95. 0	-0. 28		462	92. 4
Cobalt	500	2. 3			501	100. 2	1. 9		479	95. 8
Copper	500	0. 60			559	111. 8	-0. 74		548	109. 6
Iron	200000	200000	195000	97. 5	196000	98. 0	195000	97. 5	193000	96. 5
Lead	1000	0. 44			1040	104. 0	0. 070		999	99. 9
Magnesiu m	500000	500000	524000	104. 8	526000	105. 2	518000	103. 6	518000	103. 6
Manganese	500	0. 60			500	100. 0	0. 22		485	97. 0
Molybdenum	500	-0. 73			496	99. 2	-0. 78		491	98. 2
Nickel	1000	-1. 8			1020	102. 0	-1. 9		985	98. 5
Palladiu m	500	2. 6			578	115. 6	1. 4		562	112. 4
Potassium		-20			-19		-52		-39	
Seleniu m	1000	-0. 28			1060	106. 0	-0. 70		1020	102. 0
Sili con		57. 9			48. 2		51. 4		39. 3	
Silver	1000	-3. 1			1090	109. 0	-3. 3		1070	107. 0
Sodium		85. 6			153		133		123	
Thalliu m	1000	-0. 89			1030	103. 0	-3. 6		1000	100. 0
Tin		-1. 5			-4. 3		-3. 2		-2. 6	
Vanadi um	500	2. 5			509	101. 8	3. 8		510	102. 0
Zinc	1000	-6. 7			966	96. 6	-8. 0		921	92. 1

(*) Outside of QC limits
 (anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: J29485
Account: ENSRNJ - ENSR Consulting & Engineering
Project: Ingersoll Rand, Phillipsburg, NJ

QC Batch ID: MP34456
Matrix Type: AQUEOUS

Methods: SW846 6010B
Units: ug/l

Prep Date: 05/19/06

Metal	RL	IDL	MB raw	final
Aluminum	200	17		
Antimony	6.0	3.4		
Arsenic	8.0	4.8		
Barium	200	.8		
Beryllium	1.0	.5		
Cadmium	4.0	.8		
Calcium	5000	54		
Chromium	10	.8		
Cobalt	50	.9		
Copper	25	.8		
Iron	100	26	-23	<100
Lead	3.0	2.9	anr	
Magnesium	5000	14		
Manganese	15	1.2		
Molybdenum	20	1.2		
Nickel	40	1.7		
Palladium	50	1.6		
Potassium	5000	17		
Selenium	10	3.5		
Silicon	200	10		
Silver	10	.5		
Sodium	5000	86		
Thallium	10	5.9		
Tin	10	3.3		
Vanadium	50	1.1		
Zinc	20	6		

Associated samples MP34456: J29485-1, J29485-2, J29485-3, J29485-4

Results < IDL are shown as zero for calculation purposes

(*) Outside of QC limits

(anr) Analyte not requested

7.2.1
7

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: J29485

Account: ENSRNJ - ENSR Consulting & Engineering
Project: Ingersoll Rand, Phillipsburg, NJQC Batch ID: MP34456
Matrix Type: AQUEOUSMethods: SW846 6010B
Units: ug/l

Prep Date: 05/19/06

Metal	J29485-1 Original MS	Spike lot MPI RW1	QC % Rec	QC Limits
-------	-------------------------	----------------------	-------------	--------------

Aluminum

Antimony

Arsenic

Barium

Beryllium

Cadmium

Calcium

Chromium

Cobalt

Copper

Iron 3090 4030 1000 94.0 75-125

Lead anr

Magnesium

Manganese

Molybdenum

Nickel

Palladium

Potassium

Selenium

Silicon

Silver

Sodium

Thallium

Tin

Vanadium

Zinc

Associated samples MP34456: J29485-1, J29485-2, J29485-3, J29485-4

Results < IDL are shown as zero for calculation purposes

(*) Outside of QC limits

(N) Matrix Spike Rec. outside of QC limits

(anr) Analyte not requested

7.2.2
7

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: J29485

Account: ENSRNJ - ENSR Consulting & Engineering
Project: Ingersoll Rand, Phillipsburg, NJQC Batch ID: MP34456
Matrix Type: AQUEOUSMethods: SW846 6010B
Units: ug/l

Prep Date: 05/19/06

Metal	J29485-1 Original	MSD	Spike lot MPI RW1	% Rec	MSD RPD	QC Limit
-------	----------------------	-----	----------------------	-------	------------	-------------

Aluminum

Antimony

Arsenic

Barium

Beryllium

Cadmium

Calcium

Chromium

Cobalt

Copper

Iron

3090 4100 1000 101.0

1.7 20

Lead

anr

Magnesium

Manganese

Molybdenum

Nickel

Palladium

Potassium

Selenium

Silicon

Silver

Sodium

Thallium

Tin

Vanadium

Zinc

Associated samples MP34456: J29485-1, J29485-2, J29485-3, J29485-4

Results < IDL are shown as zero for calculation purposes

(*) Outside of QC limits

(N) Matrix Spike Rec. outside of QC limits

(anr) Analyte not requested

7.2.2
7

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: J29485

Account: ENSRNJ - ENSR Consulting & Engineering
Project: Ingersoll Rand, Phillipsburg, NJQC Batch ID: MP34456
Matrix Type: AQUEOUSMethods: SW846 6010B
Units: ug/l

Prep Date: 05/19/06

Metal	LCS Result	Spike lot MPLCW2	% Rec	QC Limits
-------	------------	------------------	-------	-----------

Al umium

Antimony

Arsenic

Barium

Beryllium

Cadmium

Calcium

Chromium

Cobalt

Copper

Iron

5750 5500

104.5 80-120

Lead

anr

Magnesium

Manganese

Molybdenum

Nickel

Palladium

Potassium

Selenium

Silicon

Silver

Sodium

Thallium

Tin

Vanadium

Zinc

Associated samples MP34456: J29485-1, J29485-2, J29485-3, J29485-4

Results < IDL are shown as zero for calculation purposes

(*) Outside of QC limits

(anr) Analyte not requested

7.2.3
7

SERIAL DILUTION RESULTS SUMMARY

Login Number: J29485

Account: ENSRNJ - ENSR Consulting & Engineering
Project: Ingersoll Rand, Phillipsburg, NJQC Batch ID: MP34456
Matrix Type: AQUEOUSMethods: SW846 6010B
Units: ug/l

Prep Date: 05/19/06

Metal	J29485-1	Original	SDL 1:5	RPD	QC Limits
-------	----------	----------	---------	-----	-----------

Aluminum

Antimony

Arsenic

Barium

Beryllium

Cadmium

Calcium

Chromium

Cobalt

Copper

Iron 3090 2930 5.1 0-10

Lead anr

Magnesium

Manganese

Molybdenum

Nickel

Palladium

Potassium

Selenium

Silicon

Silver

Sodium

Thallium

Tin

Vanadium

Zinc

Associated samples MP34456: J29485-1, J29485-2, J29485-3, J29485-4

Results < IDL are shown as zero for calculation purposes

(*) Outside of QC limits

(anr) Analyte not requested

7.2.4
7



General Chemistry

QC Data Summaries

8

Includes the following where applicable:

- Method Blank and Blank Spike Summaries
- Duplicate Summaries
- Matrix Spike Summaries
- Instrument Runlogs/QC

METHOD BLANK AND SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: J29485
Account: ENSRNJ - ENSR Consulting & Engineering
Project: Ingersoll Rand, Phillipsburg, NJ

Anal yte	Batch ID	RL	MB Result	Uni ts	Spi ke Amount	BSP Result	BSP %Recov	QC Li mits
Alkalinity, Total as CaCO ₃	GN90480	5.0	<5.0	mg/l	50	57.6	115.2	80-120%
Chloride	GP33454/GN90802	2.0	<2.0	mg/l	80	73.0	91.3	90-110%
Chloride	GP33454/GN90843	2.0	<2.0	mg/l	80	77.9	97.4	90-110%
Iron, Ferrous	GN90380	0.10	<0.10	mg/l				
Nitrogen, Ammonia	GP33438/GN90923	0.10	<0.10	mg/l	1	1.07	107.0	80-120%
Nitrogen, Nitrate + Nitrite	GP33459/GN90817	0.10	<0.10	mg/l	2	2.01	100.5	80-120%
Nitrogen, Nitrate + Nitrite	GP33459/GN90889	0.10	<0.10	mg/l	2	1.82	91.0	80-120%
Nitrogen, Nitrite	GN90356	0.010	<0.010	mg/l	0.040	0.040	100.0	90-110%
Plate Count, Total	MB2893	0	0	CFU/ml				
Sulfate	GP33454/GN90802	2.0	<2.0	mg/l				
Sulfate	GP33454/GN90843	2.0	<2.0	mg/l	80	74.4	93.0	90-110%
Sulfide	GN90490	2.0	<2.0	mg/l	4.9	4.9	100.0	80-120%

Associated Samples:

Batch GN90356: J29485-1, J29485-2, J29485-3, J29485-4
 Batch GN90380: J29485-1, J29485-2, J29485-3, J29485-4
 Batch GN90480: J29485-1, J29485-2, J29485-3, J29485-4
 Batch GN90490: J29485-1, J29485-2, J29485-3, J29485-4
 Batch GP33438: J29485-1, J29485-2, J29485-3, J29485-4
 Batch GP33454: J29485-1, J29485-2, J29485-3, J29485-4
 Batch GP33459: J29485-1, J29485-2, J29485-3, J29485-4
 Batch MB2893: J29485-1, J29485-2, J29485-3, J29485-4

8.1

8

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: J29485
Account: ENSRNJ - ENSR Consulting & Engineering
Project: Ingersoll Rand, Phillipsburg, NJ

Analyte	Batch ID	QC Sample	Units	Original Result	DUP Result	RPD	QC Limits
Alkalinity, Total as CaCO ₃	GN90480	J29629-3	mg/l	243	245	0.8	0-10%
Chloride	GP33454/GN90802	J30277-1	mg/l	<2.0	<2.0	0.0	0-20%
Chloride	GP33454/GN90802	J30277-1	mg/l	<2.0	<2.0	0.0	0-20%
Iron, Ferrous	GN90380	J29351-1	mg/l	<0.10	<0.10	0.0	0-10%
Nitrogen, Ammonia	GP33438/GN90923	J29278-1	mg/l	<0.10	<0.10	12.9	0-24%
Nitrogen, Nitrate + Nitrite	GP33459/GN90817	J30277-1	mg/l	<0.10	<0.10	54.5(a)	0-12%
Nitrogen, Nitrite	GN90356	J29485-1	mg/l	<0.010	<0.010	0.0	0-10%
Plate Count, Total	MB2893	J29317-1	CFU/ml	0	0	0.0	0-22%
Sulfate	GP33454/GN90843	J30277-1	mg/l	13.4	13.7	2.2	0-20%
Sulfide	GN90490	J29485-1	mg/l	<2.0	<2.0	0.0	0-10%

Associated Samples:

Batch GN90356: J29485-1, J29485-2, J29485-3, J29485-4

Batch GN90380: J29485-1, J29485-2, J29485-3, J29485-4

Batch GN90480: J29485-1, J29485-2, J29485-3, J29485-4

Batch GN90490: J29485-1, J29485-2, J29485-3, J29485-4

Batch GP33438: J29485-1, J29485-2, J29485-3, J29485-4

Batch GP33454: J29485-1, J29485-2, J29485-3, J29485-4

Batch GP33459: J29485-1, J29485-2, J29485-3, J29485-4

Batch MB2893: J29485-1, J29485-2, J29485-3, J29485-4

(a) RPD acceptable due to low duplicate and sample concentrations.

8.2

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: J29485
Account: ENSRNJ - ENSR Consulting & Engineering
Project: Ingersoll Rand, Phillipsburg, NJ

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MS Result	%Rec	QC Limits
Chloride	GP33454/GN90802	J30277-1	mg/l	<2.0	80	77.2	94.9	80-120%
Chloride	GP33454/GN90802	J30277-1	mg/l	<2.0	80	77.2	94.9	80-120%
Nitrogen, Ammonia	GP33438/GN90923	J29278-1	mg/l	<0.10	1	1.2	111.3	62-132%
Nitrogen, Nitrate + Nitrite	GP33459/GN90817	J30277-1	mg/l	<0.10	2	2.1	104.4	64-132%
Nitrogen, Nitrite	GN90356	J29485-1	mg/l	<0.010	0.040	0.039	97.5	71-121%
Sulfate	GP33454/GN90843	J30277-1	mg/l	13.4	80	85.7	90.4	80-120%
Sulfide	GN90490	J29485-2	mg/l	<2.0	3.63	3.6	99.2	63-121%

Associated Samples:

Batch GN90356: J29485-1, J29485-2, J29485-3, J29485-4
 Batch GN90490: J29485-1, J29485-2, J29485-3, J29485-4
 Batch GP33438: J29485-1, J29485-2, J29485-3, J29485-4
 Batch GP33454: J29485-1, J29485-2, J29485-3, J29485-4
 Batch GP33459: J29485-1, J29485-2, J29485-3, J29485-4

88

Accutest Laboratories Instrument Run Log
Inorganics Analyses

Login Number: J29485
Account: ENSRNJ - ENSR Consulting & Engineering
Project: Ingersoll Rand, Phillipsburg, NJ

File ID: 206051501.TXT
Analyst: JH
Parameters: Chloride

Date Analyzed: 05/15/06
Run ID: GN90802

Methods: EPA 300/SW846 9056

Time	Sample Description	Dilution Factor	PS Recov	Comments
13: 11	GN90802-STD1	1		STDA
13: 30	GN90802-STD2	1		STDB
13: 48	GN90802-STD3	1		STDC
14: 06	GN90802-STD4	1		STDD
14: 27	GN90802-STD5	1		STDE
14: 45	GN90802-STD6	1		STDF
15: 03	GN90802-STD7	1		Manually integrated chrom. peaks reviewed and verified to comply with criteria of Accutest SOP EQA044.
11: 24	GN90802-ICV1	1		
11: 43	GN90802-CCV1	1		
12: 01	GN90802-CCB1	1		
13: 18	GP33412-MB2	1		
13: 18	GP33453-MB1	1		Sample shown for QC tracking purposes only.
13: 36	GP33412-B2	1		
13: 36	GP33453-B1	1		Sample shown for QC tracking purposes only.
13: 55	GP33412-S2	1		
14: 13	GP33412-D2	1		
14: 32	ZZZZZ	10		
14: 50	GP33453-S1	1		redo @ 1:50
15: 08	GP33453-D1	1		redo @ 1:50
15: 27	T13422-1	1		(sample used for QC only; not part of login J29485)
16: 24	ZZZZZ	1		
16: 44	ZZZZZ	1		
17: 03	GP33454-MB1	1		
17: 22	GP33454-B1	1		bs fails for so4
17: 40	GN90802-CCV2	1		ccv fails for so4, br
17: 59	GN90802-CCB2	1		
18: 17	GP33454-S1	1		redo so4 straight
18: 35	GP33454-D1	1		redo so4 straight
18: 54	J30277-1	1		(sample used for QC only; not part of login J29485)
19: 12	ZZZZZ	1		
19: 31	ZZZZZ	1		
19: 49	ZZZZZ	1		
20: 07	ZZZZZ	1		

8.4
8

Accutest Laboratories Instrument Run Log
Inorganics Analyses

Login Number: J29485
Account: ENSRNJ - ENSR Consulting & Engineering
Project: Ingersoll Rand, Phillipsburg, NJ

File ID: 206051501.TXT
Analyst: JH
Parameters: Chloride

Date Analyzed: 05/15/06
Run ID: GN90802

Methods: EPA 300/SW846 9056

Time	Sample Description	Dilution Factor	PS Recov	Comments
20: 26	ZZZZZZ	1		
20: 44	ZZZZZZ	1		
21: 03	ZZZZZZ	1		
21: 21	GN90802-CCV3	1		ccv fails for so4, br
21: 39	GN90802-CCB3	1		
21: 58	J29485-1	1		redo so4 straight
22: 16	J29485-2	1		redo so4 straight
22: 35	J29485-3	1		redo so4 straight
22: 53	J29485-4	1		redo so4 straight
23: 11	ZZZZZZ	1		
23: 30	ZZZZZZ	1		
23: 48	ZZZZZZ	1		
00: 07	ZZZZZZ	1		
00: 25	ZZZZZZ	1		
00: 43	ZZZZZZ	1		
01: 02	GN90802-CCV4	1		ccv fails for br
01: 20	GN90802-CCB4	1		
01: 39	ZZZZZZ	1		
01: 57	ZZZZZZ	1		
02: 16	GP33455-MB1	1		
02: 34	GP33455-B1	1		
02: 52	GP33455-S1	1		
03: 11	GP33455-D1	1		
03: 29	M56187-1	1		(sample used for QC only; not part of login J29485)
03: 48	ZZZZZZ	1		
04: 06	ZZZZZZ	1		
04: 24	ZZZZZZ	1		
04: 43	GN90802-CCV5	1		ccv fails for br
05: 01	GN90802-CCB5	1		
05: 20	ZZZZZZ	1		
05: 38	ZZZZZZ	100		
05: 56	ZZZZZZ	100		
06: 15	GN90802-CCV6	1		ccv fails for br

4.8
8

Accutest Laboratories Instrument Run Log
Inorganics Analyses

Login Number: J29485

Account: ENSRNJ - ENSR Consulting & Engineering
Project: Ingersoll Rand, Phillipsburg, NJ

File ID: 206051501.TXT
Analyst: JH
Parameters: Chloride

Date Analyzed: 05/15/06
Run ID: GN90802

Methods: EPA 300/SW846 9056

Time	Sample Description	Dilution Factor	PS Recov	Comments
06:33	GN90802-CCB6	1		

Refer to raw data for calibration curve and standards.

8.4

8

Instrument QC Summary
Inorganics Analyses

Login Number: J29485
Account: ENSRNJ - ENSR Consulting & Engineering
Project: Ingersoll Rand, Phillipsburg, NJ

File ID: 206051501.TXT

Date Analyzed: 05/15/06
Run ID: GN90802

Methods: EPA 300/SW846 9056
Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN90802-ICV1	Chloride	106	2.0	0.052	104.64	101.3	90-110
GN90802-CCV1	Chloride	203	2.0	0.052	200	101.5	90-110
GN90802-CCB1	Chloride	0.052 U	2.0	0.052			
GN90802-CCV2	Chloride	191	2.0	0.052	200	95.5	90-110
GN90802-CCB2	Chloride	0.13	2.0	0.052			
GN90802-CCV3	Chloride	200	2.0	0.052	200	100.0	90-110
GN90802-CCB3	Chloride	0.052 U	2.0	0.052			
GN90802-CCV4	Chloride	202	2.0	0.052	200	101.0	90-110
GN90802-CCB4	Chloride	0.14	2.0	0.052			
GN90802-CCV5	Chloride	204	2.0	0.052	200	102.0	90-110
GN90802-CCB5	Chloride	0.097	2.0	0.052			
GN90802-CCV6	Chloride	204	2.0	0.052	200	102.0	90-110
GN90802-CCB6	Chloride	0.065	2.0	0.052			

(!) Outside of QC limits

8.4

8

Accutest Laboratories Instrument Run Log
Inorganics Analyses

Login Number: J29485
Account: ENSRNJ - ENSR Consulting & Engineering
Project: Ingersoll Rand, Phillipsburg, NJ

File ID: C0515W1.N03.CSV
Analyst: HBA
Parameters: Nitrogen, Nitrate + Nitrite

Date Analyzed: 05/15/06
Run ID: GN90817

Time	Sample Description	Dilution Factor	PS Recov	Comments
17: 20	GN90817-STD1	1		STDA
17: 21	GN90817-STD2	1		STDB
17: 22	GN90817-STD3	1		STDC
17: 23	GN90817-STD4	1		STDD
17: 24	GN90817-STD5	1		STDE
17: 25	GN90817-STD6	1		STDF
17: 26	GN90817-STD7	1		STDG
17: 28	GN90817-ICV1	1		
17: 29	GN90817-ICB1	1		
17: 30	GN90817-CCV1	1		
17: 31	GN90817-CCB1	1		
17: 32	GP33459-MB1	1		
17: 33	GP33459-B1	1		
17: 34	GP33459-D1	1		
17: 35	GP33459-S1	1		
17: 36	J30277-1	1		(sample used for QC only; not part of login J29485)
17: 37	ZZZZZ	1		
17: 38	ZZZZZ	1		
17: 38	ZZZZZ	1		
17: 39	J29485-1	1		
17: 40	J29485-2	1		
17: 41	GN90817-CCV2	1		
17: 42	GN90817-CCB2	1		
17: 43	J29485-3	1		over calibration curve. sample put back to need
17: 44	J29485-4	1		
17: 45	ZZZZZ	1		
17: 46	ZZZZZ	1		
17: 47	ZZZZZ	1		
17: 48	ZZZZZ	1		
17: 49	ZZZZZ	1		
17: 50	ZZZZZ	1		
17: 51	ZZZZZ	1		
17: 52	ZZZZZ	1		

Accutest Laboratories Instrument Run Log
Inorganics Analyses

Login Number: J29485
Account: ENSRNJ - ENSR Consulting & Engineering
Project: Ingersoll Rand, Phillipsburg, NJ

File ID: C0515W1.N03.CSV
Analyst: HBA
Parameters: Nitrogen, Nitrate + Nitrite

Date Analyzed: 05/15/06
Run ID: GN90817

Time	Sample Description	Dilution Factor	PS Recov	Comments
17: 53	GN90817-CCV3	1		
17: 54	GN90817-CCB3	1		
17: 55	ZZZZZ	1		
17: 56	ZZZZZ	1		
17: 57	ZZZZZ	1		
17: 58	ZZZZZ	1		
17: 59	GP33460-MB1	1		
18: 00	GP33460-B1	1		
18: 01	GP33460-D1	1		
18: 02	GP33460-S1	1		
18: 03	J29404-1	1		(sample used for QC only; not part of login J29485)
18: 04	ZZZZZ	1		
18: 05	GN90817-CCV4	1		
18: 06	GN90817-CCB4	1		
18: 07	ZZZZZ	1		
18: 08	ZZZZZ	1		
18: 09	ZZZZZ	1		
18: 10	ZZZZZ	1		
18: 10	ZZZZZ	1		
18: 11	ZZZZZ	1		
18: 12	ZZZZZ	1		
18: 13	ZZZZZ	1		
18: 14	ZZZZZ	1		
18: 15	ZZZZZ	1		
18: 16	GN90817-CCV5	1		
18: 17	GN90817-CCB5	1		
18: 18	ZZZZZ	1		
18: 19	ZZZZZ	1		
18: 20	ZZZZZ	1		
18: 21	ZZZZZ	1		
18: 22	ZZZZZ	1		
18: 23	ZZZZZ	1		
18: 24	ZZZZZ	1		

Accutest Laboratories Instrument Run Log
Inorganics Analyses

Login Number: J29485

Account: ENSRNJ - ENSR Consulting & Engineering
Project: Ingersoll Rand, Phillipsburg, NJ

File ID: C0515W1.N03.CSV

Date Analyzed: 05/15/06

Methods: EPA 353.2

Analyst: HBA

Run ID: GN90817

Parameters: Nitrogen, Nitrate + Nitrite

Time	Sample Description	Dilution Factor	PS Recov	Comments
18: 25	ZZZZZ	1		
18: 26	GN90817-CCV6	1		
18: 27	GN90817-CCB6	1		

Refer to raw data for calibration curve and standards.

85

8

Instrument QC Summary
Inorganics Analyses

Login Number: J29485
Account: ENSRNJ - ENSR Consulting & Engineering
Project: Ingersoll Rand, Phillipsburg, NJ

File ID: C0515W1.N03.CSV

Date Analyzed: 05/15/06
Run ID: GN90817

Methods: EPA 353.2
Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN90817-ICV1	Nitrogen, Nitrate + Nitrite	2.1	0.10	0.0040	2	105.0	90-110
GN90817-ICB1	Nitrogen, Nitrate + Nitrite	-0.017	0.10	0.0040			
GN90817-CCV1	Nitrogen, Nitrate + Nitrite	2.6	0.10	0.0040	2.5	104.0	90-110
GN90817-CCB1	Nitrogen, Nitrate + Nitrite	-0.018	0.10	0.0040			
GN90817-CCV2	Nitrogen, Nitrate + Nitrite	2.6	0.10	0.0040	2.5	104.0	90-110
GN90817-CCB2	Nitrogen, Nitrate + Nitrite	-0.017	0.10	0.0040			
GN90817-CCV3	Nitrogen, Nitrate + Nitrite	2.6	0.10	0.0040	2.5	104.0	90-110
GN90817-CCB3	Nitrogen, Nitrate + Nitrite	-0.017	0.10	0.0040			
GN90817-CCV4	Nitrogen, Nitrate + Nitrite	2.6	0.10	0.0040	2.5	104.0	90-110
GN90817-CCB4	Nitrogen, Nitrate + Nitrite	-0.015	0.10	0.0040			
GN90817-CCV5	Nitrogen, Nitrate + Nitrite	2.6	0.10	0.0040	2.5	104.0	90-110
GN90817-CCB5	Nitrogen, Nitrate + Nitrite	-0.017	0.10	0.0040			
GN90817-CCV6	Nitrogen, Nitrate + Nitrite	2.5	0.10	0.0040	2.5	100.0	90-110
GN90817-CCB6	Nitrogen, Nitrate + Nitrite	-0.015	0.10	0.0040			

(!) Outside of QC limits

8

8

Accutest Laboratories Instrument Run Log
Inorganics Analyses

Login Number: J29485
Account: ENSRNJ - ENSR Consulting & Engineering
Project: Ingersoll Rand, Phillipsburg, NJ

File ID: 206051601.TXT
Analyst: JH
Parameters: Sul fate

Date Analyzed: 05/16/06
Run ID: GN90843
Methods: EPA 300/SW846 9056

Time	Sample Description	Dilution Factor	PS Recov	Comments
13: 11	GN90843-STD1	1		STDA
13: 30	GN90843-STD2	1		STDB
13: 48	GN90843-STD3	1		STDC
14: 06	GN90843-STD4	1		STDD
14: 27	GN90843-STD5	1		STDE
14: 45	GN90843-STD6	1		STDF
15: 03	GN90843-STD7	1		Manually integrated chrom. peaks reviewed and verified to comply with criteria of Accutest SOP EQA044.
10: 31	GN90843-ICV1	1		
10: 49	GN90843-CCV1	1		
11: 07	GN90843-CCB1	1		
11: 26	GP33453-MB2	1		
11: 44	GP33453-B2	1		
12: 03	GP33453-S1	100		redo f, chl @ 1:10, redo br @ 1:100
12: 21	GP33453-D1	100		redo f, chl @ 1:10, redo br @ 1:100
12: 39	T13422-1	100		(sample used for QC only; not part of login J29485)
12: 58	GP33454-MB2	1		
13: 16	GP33454-B2	1		
13: 35	J30277-1	1		(sample used for QC only; not part of login J29485)
13: 53	ZZZZZ	1		
14: 11	ZZZZZ	1		
14: 30	GN90843-CCV2	1		
14: 48	GN90843-CCB2	1		
15: 19	GP33454-S1	1		
15: 38	GP33454-D1	1		
15: 56	ZZZZZ	1		
16: 14	ZZZZZ	1		
16: 33	ZZZZZ	1		
16: 51	ZZZZZ	1		
17: 10	ZZZZZ	1		
17: 28	J29485-1	1		
17: 46	J29485-2	1		
18: 05	J29485-3	1		
18: 23	GN90843-CCV3	1		

Accutest Laboratories Instrument Run Log
Inorganics Analyses

Login Number: J29485
Account: ENSRNJ - ENSR Consulting & Engineering
Project: Ingersoll Rand, Phillipsburg, NJ

File ID: 206051601.TXT
Analyst: JH
Parameters: Sul fate

Date Analyzed: 05/16/06
Run ID: GN90843
Methods: EPA 300/SW846 9056

Time	Sample Description	Dilution Factor	PS Recov	Comments
18: 42	GN90843-CCB3	1		
19: 00	J29485-4	1		
19: 18	ZZZZZZ	1		
19: 37	ZZZZZZ	1		
19: 55	ZZZZZZ	1		
20: 14	ZZZZZZ	1		
20: 32	ZZZZZZ	1		
20: 50	ZZZZZZ	1		
21: 09	ZZZZZZ	1		
21: 27	ZZZZZZ	1		
21: 46	GP33455-MB2	1		
21: 46	GP33474-MB1	1		Sample shown for QC tracking purposes only.
22: 04	GN90843-CCV4	1		
22: 22	GN90843-CCB4	1		
22: 41	GP33455-B2	1		
22: 41	GP33474-B1	1		Sample shown for QC tracking purposes only.
22: 59	ZZZZZZ	4		
23: 18	ZZZZZZ	500		
23: 36	ZZZZZZ	10		
23: 55	GP33474-S1	1		
00: 13	GP33474-D1	1		
00: 31	J29585-1	1		(sample used for QC only; not part of login J29485)
00: 50	ZZZZZZ	1		
01: 08	ZZZZZZ	1		
01: 26	ZZZZZZ	1		
01: 45	GN90843-CCV5	1		
02: 03	GN90843-CCB5	1		
02: 22	ZZZZZZ	1		
02: 40	ZZZZZZ	1		
02: 59	ZZZZZZ	1		
03: 17	ZZZZZZ	1		
03: 35	ZZZZZZ	1		
03: 54	ZZZZZZ	1		

8.6
8

Accutest Laboratories Instrument Run Log
Inorganics Analyses

Login Number: J29485
Account: ENSRNJ - ENSR Consulting & Engineering
Project: Ingersoll Rand, Phillipsburg, NJ

File ID: 206051601.TXT

Date Analyzed: 05/16/06

Methods: EPA 300/SW846 9056

Analyst: JH

Run ID: GN90843

Parameters: Sul fate

Time	Sample Description	Dilution Factor	PS Recov	Comments
04: 12	ZZZZZZ	1		
04: 31	ZZZZZZ	1		
04: 49	ZZZZZZ	1		
05: 07	ZZZZZZ	1		
05: 26	GN90843-CCV6	1		
05: 44	GN90843-CCB6	1		

Refer to raw data for calibration curve and standards.

8.6

Instrument QC Summary
Inorganics Analyses

Login Number: J29485
Account: ENSRNJ - ENSR Consulting & Engineering
Project: Ingersoll Rand, Phillipsburg, NJ

File ID: 206051601.TXT

Date Analyzed: 05/16/06
Run ID: GN90843

Methods: EPA 300/SW846 9056
Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN90843-ICV1	Sulfate	105	2.0	0.041	108.92	96.4	90-110
GN90843-CCV1	Sulfate	198	2.0	0.041	200	99.0	90-110
GN90843-CCB1	Sulfate	0.041 U	2.0	0.041			
GN90843-CCV2	Sulfate	198	2.0	0.041	200	99.0	90-110
GN90843-CCB2	Sulfate	0.041 U	2.0	0.041			
GN90843-CCV3	Sulfate	198	2.0	0.041	200	99.0	90-110
GN90843-CCB3	Sulfate	0.041 U	2.0	0.041			
GN90843-CCV4	Sulfate	199	2.0	0.041	200	99.5	90-110
GN90843-CCB4	Sulfate	0.076	2.0	0.041			
GN90843-CCV5	Sulfate	200	2.0	0.041	200	100.0	90-110
GN90843-CCB5	Sulfate	0.13	2.0	0.041			
GN90843-CCV6	Sulfate	199	2.0	0.041	200	99.5	90-110
GN90843-CCB6	Sulfate	0.62	2.0	0.041			

(!) Outside of QC limits

8.6

8

Accutest Laboratories Instrument Run Log
Inorganics Analyses

Login Number: J29485
Account: ENSRNJ - ENSR Consulting & Engineering
Project: Ingersoll Rand, Phillipsburg, NJ

File ID: C051706W1.N03.CSV Date Analyzed: 05/17/06 Methods: EPA 353.2
Analyst: LE Run ID: GN90889
Parameters: Nitrogen, Nitrate + Nitrite

Time	Sample Description	Dilution Factor	PS Recov	Comments
12: 09	GN90889-STD1	1		STDA
12: 10	GN90889-STD2	1		STDB
12: 11	GN90889-STD3	1		STDC
12: 12	GN90889-STD4	1		STDD
12: 13	GN90889-STD5	1		STDE
12: 14	GN90889-STD6	1		STDF
12: 15	GN90889-STD7	1		STDG
12: 17	GN90889-ICV1	1		
12: 18	GN90889-ICB1	1		
12: 19	GN90889-CCV1	1		
12: 20	GN90889-CCB1	1		
12: 21	GP33460-MB2	1		
12: 22	GP33460-B2	1		
12: 23	ZZZZZ	1		
12: 24	GP33459-MB2	1		
12: 25	GP33459-B2	1		
12: 26	J29485-3	1		Over calibration curve. See rerun at dilution.
12: 27	ZZZZZ	1		
12: 27	GP33485-MB1	1		
12: 28	GP33485-B1	1		
12: 29	GP33485-S1	1		Over calibration curve. See rerun at dilution.
12: 30	GN90889-CCV2	1		
12: 31	GN90889-CCB2	1		
12: 32	GP33485-D1	1		
12: 33	J29629-1	1		(sample used for QC only; not part of login J29485)
12: 34	ZZZZZ	1		
12: 35	ZZZZZ	1		
12: 36	ZZZZZ	1		
12: 37	ZZZZZ	1		
12: 38	ZZZZZ	1		
12: 39	ZZZZZ	1		
12: 40	ZZZZZ	1		
12: 41	ZZZZZ	1		

Accutest Laboratories Instrument Run Log
Inorganics Analyses

Login Number: J29485
Account: ENSRNJ - ENSR Consulting & Engineering
Project: Ingersoll Rand, Phillipsburg, NJ

File ID: C051706W1.N03.CSV Date Analyzed: 05/17/06 Methods: EPA 353.2
Analyst: LE Run ID: GN90889
Parameters: Nitrogen, Nitrate + Nitrite

Time	Sample Description	Dilution Factor	PS Recov	Comments
12: 42	GN90889-CCV3	1		
12: 43	GN90889-CCB3	1		
12: 44	ZZZZZ	1		
12: 45	ZZZZZ	1		
12: 46	ZZZZZ	1		
12: 47	ZZZZZ	1		
12: 48	ZZZZZ	1		
12: 49	ZZZZZ	1		
12: 50	ZZZZZ	1		
12: 51	ZZZZZ	1		
12: 52	ZZZZZ	1		
12: 53	ZZZZZ	1		
12: 54	GN90889-CCV4	1		
12: 55	GN90889-CCB4	1		
12: 56	ZZZZZ	1		
12: 57	GP33486-MB1	1		
12: 58	GP33486-B1	1		
12: 58	GP33486-S1	1		
12: 59	GP33486-D1	1		
13: 00	J30380-1	1		(sample used for QC only; not part of login J29485)
13: 01	ZZZZZ	1		
13: 02	ZZZZZ	1		
13: 03	ZZZZZ	1		
13: 04	ZZZZZ	1		
13: 05	GN90889-CCV5	1		
13: 06	GN90889-CCB5	1		
13: 07	ZZZZZ	1		
13: 08	ZZZZZ	1		
13: 09	ZZZZZ	1		
13: 10	ZZZZZ	1		
13: 11	ZZZZZ	1		
13: 12	ZZZZZ	1		
13: 13	ZZZZZ	1		

Accutest Laboratories Instrument Run Log
Inorganics Analyses

Login Number: J29485

Account: ENSRNJ - ENSR Consulting & Engineering
Project: Ingersoll Rand, Phillipsburg, NJ

File ID: C051706W1.N03.CSV

Date Analyzed: 05/17/06

Methods: EPA 353.2

Analyst: LE

Run ID: GN90889

Parameters: Nitrogen, Nitrate + Nitrite

Time	Sample Description	Dilution Factor	PS Recov	Comments
13: 14	ZZZZZ	1		
13: 15	ZZZZZ	1		
13: 16	ZZZZZ	1		
13: 17	GN90889-CCV6	1		
13: 18	GN90889-CCB6	1		
13: 19	ZZZZZ	1		
13: 20	ZZZZZ	1		
13: 21	GN90889-CCV7	1		
13: 22	GN90889-CCB7	1		
13: 55	GN90889-CCV8	1		
13: 56	GN90889-CCB8	1		
13: 57	ZZZZZ	3		
13: 58	J29485-3	5		
13: 59	ZZZZZ	2		
14: 00	GP33485-S1	2		
14: 01	ZZZZZ	3		
14: 02	ZZZZZ	4		
14: 03	ZZZZZ	3		
14: 04	GN90889-CCV9	1		
14: 05	GN90889-CCB9	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: J29485
Account: ENSRNJ - ENSR Consulting & Engineering
Project: Ingersoll Rand, Phillipsburg, NJ

File ID: C051706W1.N03.CSV Date Analyzed: 05/17/06 Methods: EPA 353.2
Run ID: GN90889 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN90889-ICV1	Nitrogen, Nitrate + Nitrite	2.1	0.10	0.0040	2	105.0	90-110
GN90889-ICB1	Nitrogen, Nitrate + Nitrite	-0.016	0.10	0.0040			
GN90889-CCV1	Nitrogen, Nitrate + Nitrite	2.6	0.10	0.0040	2.5	104.0	90-110
GN90889-CCB1	Nitrogen, Nitrate + Nitrite	-0.0092	0.10	0.0040			
GN90889-CCV2	Nitrogen, Nitrate + Nitrite	2.6	0.10	0.0040	2.5	104.0	90-110
GN90889-CCB2	Nitrogen, Nitrate + Nitrite	-0.010	0.10	0.0040			
GN90889-CCV3	Nitrogen, Nitrate + Nitrite	2.6	0.10	0.0040	2.5	104.0	90-110
GN90889-CCB3	Nitrogen, Nitrate + Nitrite	-0.0093	0.10	0.0040			
GN90889-CCV4	Nitrogen, Nitrate + Nitrite	2.5	0.10	0.0040	2.5	100.0	90-110
GN90889-CCB4	Nitrogen, Nitrate + Nitrite	-0.0093	0.10	0.0040			
GN90889-CCV5	Nitrogen, Nitrate + Nitrite	2.4	0.10	0.0040	2.5	96.0	90-110
GN90889-CCB5	Nitrogen, Nitrate + Nitrite	-0.010	0.10	0.0040			
GN90889-CCV6	Nitrogen, Nitrate + Nitrite	2.4	0.10	0.0040	2.5	96.0	90-110
GN90889-CCB6	Nitrogen, Nitrate + Nitrite	-0.010	0.10	0.0040			
GN90889-CCV7	Nitrogen, Nitrate + Nitrite	2.5	0.10	0.0040	2.5	100.0	90-110
GN90889-CCB7	Nitrogen, Nitrate + Nitrite	-0.011	0.10	0.0040			
GN90889-CCV8	Nitrogen, Nitrate + Nitrite	2.5	0.10	0.0040	2.5	100.0	90-110
GN90889-CCB8	Nitrogen, Nitrate + Nitrite	-0.012	0.10	0.0040			
GN90889-CCV9	Nitrogen, Nitrate + Nitrite	2.4	0.10	0.0040	2.5	96.0	90-110
GN90889-CCB9	Nitrogen, Nitrate + Nitrite	0.0080	0.10	0.0040			

(!) Outside of QC limits

Accutest Laboratories Instrument Run Log
Inorganics Analyses

Login Number: J29485
Account: ENSRNJ - ENSR Consulting & Engineering
Project: Ingersoll Rand, Phillipsburg, NJ

File ID: 0518AMN2.TXT

Analyst: NR

Parameters: Nitrogen, Ammonia

Date Analyzed: 05/18/06

Run ID: GN90923

Methods: EPA 350.1, EPA 350.1 M, EPA350.1, SM4500NH3H

Time	Sample Description	Dilution Factor	PS Recov	Comments
08: 48	GN90923-STD1	1		STDA
08: 49	GN90923-STD2	1		STDB
08: 49	GN90923-STD3	1		STDC
08: 50	GN90923-STD4	1		STDD
08: 51	GN90923-STD5	1		STDE
08: 51	GN90923-STD6	1		STDF
08: 52	GN90923-STD7	1		STDG
09: 04	GN90923-ICV1	1		
09: 04	GN90923-ICB1	1		
09: 05	GN90923-CCV1	1		
09: 06	GN90923-CCB1	1		
09: 06	GP33438-MB1	1		
09: 07	GP33438-B1	1		
09: 07	GP33438-D1	1		
09: 08	GP33438-S1	1		
09: 09	ZZZZZ	1		
09: 09	ZZZZZ	1		
09: 10	J29278-1	1		(sample used for QC only; not part of login J29485)
09: 10	J29485-1	1		
09: 11	J29485-2	1		
09: 11	J29485-3	1		
09: 12	GN90923-CCV2	1		
09: 13	GN90923-CCB2	1		
09: 13	J29485-4	1		
09: 14	ZZZZZ	1		
09: 14	ZZZZZ	1		
09: 15	ZZZZZ	1		
09: 16	ZZZZZ	1		
09: 16	ZZZZZ	1		
09: 17	ZZZZZ	1		
09: 17	ZZZZZ	1		
09: 18	ZZZZZ	1		
09: 19	ZZZZZ	1		

Accutest Laboratories Instrument Run Log
Inorganics Analyses

Login Number: J29485
Account: ENSRNJ - ENSR Consulting & Engineering
Project: Ingersoll Rand, Phillipsburg, NJ

File ID: 0518AMN2.TXT
Analyst: NR

Date Analyzed: 05/18/06
Run ID: GN90923

Methods: EPA 350.1, EPA 350.1 M, EPA350.1, SM4500NH3H

Parameters: Nitrogen, Ammonia

Time	Sample Description	Dilution Factor	PS Recov	Comments
09: 19	GN90923-CCV3	1		
09: 20	GN90923-CCB3	1		
09: 20	GP33439-MB1	1		
09: 20	GP33440-MB1	1		Sample shown for QC tracking purposes only.
09: 21	GP33439-B1	1		
09: 21	GP33440-B1	1		Sample shown for QC tracking purposes only.
09: 21	GP33439-D1	1		
09: 22	GP33439-S1	1		
09: 23	J29490-13	1		(sample used for QC only; not part of login J29485)
09: 23	ZZZZZ	1		
09: 24	ZZZZZ	1		
09: 24	ZZZZZ	1		
09: 25	ZZZZZ	1		
09: 26	ZZZZZ	1		
09: 26	GN90923-CCV4	1		
09: 27	GN90923-CCB4	1		
09: 27	ZZZZZ	1		
09: 28	ZZZZZ	1		
09: 29	ZZZZZ	1		
09: 29	ZZZZZ	1		
09: 30	GP33440-D1	1		
09: 30	GP33440-S1	1		
09: 31	J29417-1	1		(sample used for QC only; not part of login J29485)
09: 32	GN90923-CCV5	1		
09: 32	GN90923-CCB5	1		
09: 43	GN90923-CCV6	1		
09: 43	GN90923-CCB6	1		
09: 44	ZZZZZ	20		
09: 45	ZZZZZ	40		
09: 45	ZZZZZ	2		
09: 46	ZZZZZ	10		
09: 46	ZZZZZ	20		
09: 47	GN90923-CCV7	1		

Accutest Laboratories Instrument Run Log
Inorganics Analyses

Login Number: J29485
Account: ENSRNJ - ENSR Consulting & Engineering
Project: Ingersoll Rand, Phillipsburg, NJ

File ID: 0518AMN2.TXT
Analyst: NR

Date Analyzed: 05/18/06
Run ID: GN90923

Methods: EPA 350.1, EPA 350.1 M, EPA350.1, SM4500NH3H

Parameters: Nitrogen, Ammonia

Time	Sample Description	Dilution Factor	PS Recov	Comments
09: 48	GN90923-CCB7	1		
09: 51	GN90923-CCV8	1		
09: 52	GN90923-CCB8	1		
09: 52	GP33465-MB1	1		
09: 53	GP33465-B1	1		
09: 54	GP33465-D1	1		
09: 54	GP33465-S1	1		
09: 55	J28940-35	1		(sample used for QC only; not part of login J29485)
09: 55	ZZZZZ	1		
09: 56	ZZZZZ	1		
09: 57	ZZZZZ	1		
09: 57	ZZZZZ	1		
09: 58	ZZZZZ	1		
09: 58	GN90923-CCV9	1		
09: 59	GN90923-CCB9	1		
10: 00	ZZZZZ	1		
10: 00	ZZZZZ	1		
10: 01	ZZZZZ	1		
10: 01	ZZZZZ	1		
10: 02	ZZZZZ	1		
10: 03	ZZZZZ	1		
10: 03	ZZZZZ	1		
10: 04	ZZZZZ	1		
10: 04	ZZZZZ	1		
10: 05	ZZZZZ	1		
10: 06	GN90923-CCV10	1		
10: 06	GN90923-CCB10	1		
10: 07	GP33466-MB1	1		
10: 07	GP33466-B1	1		
10: 08	GP33466-D1	1		
10: 08	GP33466-S1	1		
10: 09	J28940-56	1		(sample used for QC only; not part of login J29485)
10: 10	ZZZZZ	1		

Accutest Laboratories Instrument Run Log
Inorganics Analyses

Login Number: J29485
Account: ENSRNJ - ENSR Consulting & Engineering
Project: Ingersoll Rand, Phillipsburg, NJ

File ID: 0518AMN2.TXT
Analyst: NR

Date Analyzed: 05/18/06
Run ID: GN90923

Methods: EPA 350.1, EPA 350.1 M, EPA350.1, SM4500NH3H

Parameters: Nitrogen, Ammonia

Time	Sample Description	Dilution Factor	PS Recov	Comments
10: 10	ZZZZZZ	1		
10: 11	ZZZZZZ	1		
10: 11	ZZZZZZ	1		
10: 12	ZZZZZZ	1		
10: 13	GN90923-CCV11	1		
10: 13	GN90923-CCB11	1		
10: 14	ZZZZZZ	1		
10: 14	ZZZZZZ	1		
10: 15	ZZZZZZ	1		
10: 16	ZZZZZZ	1		
10: 16	ZZZZZZ	1		
10: 17	ZZZZZZ	1		
10: 17	ZZZZZZ	1		
10: 18	ZZZZZZ	1		
10: 19	ZZZZZZ	1		
10: 19	ZZZZZZ	1		
10: 20	GN90923-CCV12	1		
10: 20	GN90923-CCB12	1		
11: 29	GN90923-CCV13	1		
11: 29	GN90923-CCB13	1		
11: 30	GP33500-MB1	1		
11: 30	GP33500-B1	1		
11: 31	GP33500-D1	1		
11: 32	GP33500-S1	1		
11: 32	J28940-72	1		(sample used for QC only; not part of login J29485)
11: 33	ZZZZZZ	1		
11: 33	ZZZZZZ	1		
11: 34	ZZZZZZ	1		
11: 35	ZZZZZZ	1		
11: 35	ZZZZZZ	1		
11: 36	GN90923-CCV14	1		
11: 36	GN90923-CCB14	1		
11: 37	ZZZZZZ	1		

Accutest Laboratories Instrument Run Log
Inorganics Analyses

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Account: ENSRNJ - ENSR Consulting & Engineering
Project: Ingersoll Rand, Phillipsburg, NJ

File ID: 0518AMN2.TXT
Analyst: NR

Date Analyzed: 05/18/06

Methods: EPA 350.1, EPA 350.1 M, EPA350.1, SM4500NH3H

Parameters: Nitrogen, Ammonia

Run ID: GN90923

Time	Sample Description	Dilution Factor	PS Recov	Comments
11:38	ZZZZZ	1		
11:38	ZZZZZ	1		
11:39	ZZZZZ	1		
11:39	ZZZZZ	1		
11:40	GP33501-MB1	1		
11:41	GP33501-B1	1		
11:41	GP33501-D1	1		
11:42	GP33501-S1	1		
11:42	J28939-1	1		(sample used for QC only; not part of login J29485)
11:43	GN90923-CCV15	1		
11:44	GN90923-CCB15	1		
11:44	ZZZZZ	1		
11:45	ZZZZZ	1		
11:45	ZZZZZ	1		
11:46	ZZZZZ	1		
11:46	ZZZZZ	1		
11:47	ZZZZZ	1		
11:48	ZZZZZ	1		
11:48	ZZZZZ	1		
11:49	ZZZZZ	1		
11:49	ZZZZZ	1		
11:50	GN90923-CCV16	1		
11:51	GN90923-CCB16	1		
11:51	ZZZZZ	1		
11:52	J29629-1	1		(sample used for QC only; not part of login J29485)
11:52	ZZZZZ	1		
11:53	ZZZZZ	1		
11:54	ZZZZZ	1		
11:54	ZZZZZ	1		
11:55	ZZZZZ	1		
11:55	ZZZZZ	1		
11:56	GN90923-CCV17	1		
11:56	GN90923-CCB17	1		

Refer to raw data for calibration curve and standards.

**Instrument QC Summary
Inorganics Analyses**

Login Number: J29485
Account: ENSRNJ - ENSR Consulting & Engineering
Project: Ingersoll Rand, Phillipsburg, NJ

File ID: 0518AMN2.TXT Date Analyzed: 05/18/06 Methods: EPA 350.1, EPA 350.1 M, EPA350.1, SM4500NH3H
Run ID: GN90923 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN90923-ICV1	Nitrogen, Ammonia	1.6	0.10	0.026	1.5	106.7	90-110
GN90923-ICB1	Nitrogen, Ammonia	-0.073	0.10	0.026			
GN90923-CCV1	Nitrogen, Ammonia	1.5	0.10	0.026	1.5	100.0	90-110
GN90923-CCB1	Nitrogen, Ammonia	-0.072	0.10	0.026			
GN90923-CCV2	Nitrogen, Ammonia	1.5	0.10	0.026	1.5	100.0	90-110
GN90923-CCB2	Nitrogen, Ammonia	-0.071	0.10	0.026			
GN90923-CCV3	Nitrogen, Ammonia	1.5	0.10	0.026	1.5	100.0	90-110
GN90923-CCB3	Nitrogen, Ammonia	-0.073	0.10	0.026			
GN90923-CCV4	Nitrogen, Ammonia	1.5	0.10	0.026	1.5	100.0	90-110
GN90923-CCB4	Nitrogen, Ammonia	-0.082	0.10	0.026			
GN90923-CCV5	Nitrogen, Ammonia	1.5	0.10	0.026	1.5	100.0	90-110
GN90923-CCB5	Nitrogen, Ammonia	-0.081	0.10	0.026			
GN90923-CCV6	Nitrogen, Ammonia	1.5	0.10	0.026	1.5	100.0	90-110
GN90923-CCB6	Nitrogen, Ammonia	-0.058	0.10	0.026			
GN90923-CCV7	Nitrogen, Ammonia	1.5	0.10	0.026	1.5	100.0	90-110
GN90923-CCB7	Nitrogen, Ammonia	-0.063	0.10	0.026			
GN90923-CCV8	Nitrogen, Ammonia	1.5	0.10	0.026	1.5	100.0	90-110
GN90923-CCB8	Nitrogen, Ammonia	-0.076	0.10	0.026			
GN90923-CCV9	Nitrogen, Ammonia	1.5	0.10	0.026	1.5	100.0	90-110
GN90923-CCB9	Nitrogen, Ammonia	-0.069	0.10	0.026			
GN90923-CCV10	Nitrogen, Ammonia	1.5	0.10	0.026	1.5	100.0	90-110
GN90923-CCB10	Nitrogen, Ammonia	-0.061	0.10	0.026			
GN90923-CCV11	Nitrogen, Ammonia	1.5	0.10	0.026	1.5	100.0	90-110
GN90923-CCB11	Nitrogen, Ammonia	-0.060	0.10	0.026			
GN90923-CCV12	Nitrogen, Ammonia	1.5	0.10	0.026	1.5	100.0	90-110
GN90923-CCB12	Nitrogen, Ammonia	-0.063	0.10	0.026			
GN90923-CCV13	Nitrogen, Ammonia	1.5	0.10	0.026	1.5	100.0	90-110
GN90923-CCB13	Nitrogen, Ammonia	-0.085	0.10	0.026			
GN90923-CCV14	Nitrogen, Ammonia	1.5	0.10	0.026	1.5	100.0	90-110
GN90923-CCB14	Nitrogen, Ammonia	-0.088	0.10	0.026			
GN90923-CCV15	Nitrogen, Ammonia	1.5	0.10	0.026	1.5	100.0	90-110
GN90923-CCB15	Nitrogen, Ammonia	-0.073	0.10	0.026			
GN90923-CCV16	Nitrogen, Ammonia	1.5	0.10	0.026	1.5	100.0	90-110
GN90923-CCB16	Nitrogen, Ammonia	-0.071	0.10	0.026			

Instrument QC Summary
Inorganics Analyses

Login Number: J29485
Account: ENSRNJ - ENSR Consulting & Engineering
Project: Ingersoll Rand, Phillipsburg, NJ

File ID: 0518AMN2.TXT

Date Analyzed: 05/18/06
Run ID: GN90923

Methods: EPA 350.1, EPA 350.1 M, EPA350.1, SM4500NH3H
Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN90923-CCV17	Nitrogen, Ammonia	1.5	0.10	0.026	1.5	100.0	90-110
GN90923-CCB17	Nitrogen, Ammonia	-0.078	0.10	0.026			

(!) Outside of QC limits